DVP-NS9100ES

SERVICE MANUAL

Ver. 1.0 2005.08

US Model
Canadian Model
AEP Model
UK Model
E Model
Chinese Model

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Model Name Using Similar Mechanism	DVP-NS3100ES
CD/DVD Mechanism Type	CDM66DB-DVBU66
Base Unit Name	DVBU66
Optical Traverse Unit Name	DBU-3

SPECIFICATIONS

System

Laser: Semiconductor laser
λ = 780 nm for CD
λ = 650 nm for Super Audio CD and DVD
Emission duration: continuous
Signal format system:
NTSC (US, CND, KR models)
PAL (NTSC) (AEP, UK, RU, CH models)

Audio characteristics

Frequency response: DVD VIDEO (PCM 96 kHz): 2 Hz to 44 kHz (44 kHz: –2 dB ±1 dB), Super Audio CD: 2 Hz to 100 kHz (50 kHz: –3 dB ±1 dB), CD: 2 Hz to 20 kHz (±0.5 dB)
Signal-to-noise ratio (S/N ratio): 112 dB
Harmonic distortion: Super Audio CD: 0.0008 %, CD: 0.0015 %
Dynamic range: DVD VIDEO: 115 dB, Super Audio CD: 108 dB, CD: 100 dB
Wow and flutter: Less than detected value (±0.001% W PEAK)

Outputs

(**Jack name:** Jack type/Output level/Load impedance)
AUDIO OUT L/R 1/2: Phono jack/2 Vrms/10 kilohms
DIGITAL OUT (OPTICAL): Optical output jack/–18 dBm (wave length: 660 nm)
DIGITAL OUT (COAXIAL): Phono jack/0.5 Vp-p/75 ohms
HDMI OUT: TypeA (19 pin)
5.1CH OUTPUT: Phono jack/2 Vrms/10 kilohms
COMPONENT VIDEO OUT(Y, P_B/C_B, P_R/C_R):
Phono jack/Y: 1.0 Vp-p/P_B/C_B, P_R/C_R: interlace[1] = 0.648 Vp-p, progressive or interlace[2] = 0.7 Vp-p/75 ohms
[1] BLACK LEVEL (COMPONENT OUT) is ON
[2] BLACK LEVEL (COMPONENT OUT) is OFF
VIDEO OUT 1/2: (US, CND, KR, CH models)
VIDEO OUT: (AEP, UK, RU models)
Phono jack/1.0 Vp-p/75 ohms
S VIDEO OUT 1/2: (US, CND, KR, CH models)
S VIDEO OUT: (AEP, UK, RU models)
4-pin mini DIN/Y: 1.0 Vp-p/C: 0.286 Vp-p (NISC), 0.3 Vp-p (PAL) /75 ohms
i.LINK S200 (AUDIO) 1/2: 4-pin
Maximum data transmission speed: 200 Mbps

General

Power requirements:
120 V AC, 60 Hz (US, CND models)
220 V AC, 60 Hz (KR, CH models)
230 V AC, 50/60 Hz (AEP, UK, RU models)
Power consumption:
38 W (US, CND models)
36 W (AEP, UK, RU, KR, CH models)
0.1 W (at the Power Saving Mode)
Dimensions (approx.): 430 × 125 × 390 mm (17 × 5 × 15 3/8 in.) (width/height/depth) incl. projecting parts
Mass (approx.):
10 kg (22 lb) (US, CND, KR, CH models)
10.5 kg (AEP, UK, RU models)
Operating temperature: 5 °C to 35 °C (41 °F to 95 °F)
Operating humidity: 25 % to 80 %

Supplied accessories

•Audio/video cord (pinplug × 3 ⟷ pinplug × 3) (1)
•Remote commander (remote) (1)
•Size AA (R6) batteries (2)
•AC power cord (1)

Specifications and design are subject to change without notice.

•Abbreviation
CH : Chinese model
CND : Canadian model
KR : Korean model
RU : Russian model

CD/DVD PLAYER

9-879-852-01
2005H05-1
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Audio Group
Published by Sony Engineering Corporation

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Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

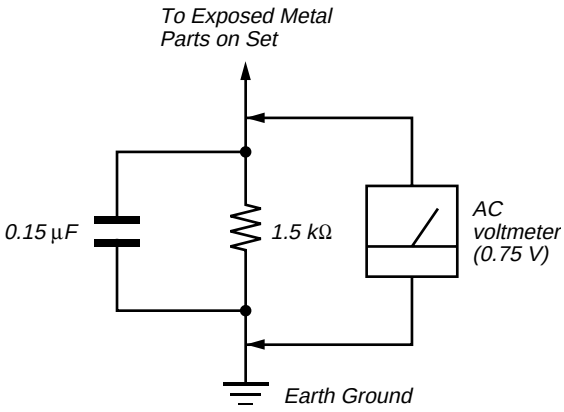


Fig. A. Using an AC voltmeter to check AC leakage.

关于安全相关零部件的警告

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所表示的零部件，对于安全操作至关重要。更换时，必须依据本手册或索尼公司追加发行的手册中列明的零件号，使用索尼公司的零件进行。

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

This Player Can Play the Following Discs

Format of discs	
DVD VIDEO	
DVD-RW	
Super Audio CD	
VIDEO CD	
Music CD	

"DVD VIDEO" and "DVD-RW" are trademarks.

Note about CDs

The player can play CD-ROMs/CD-Rs/CD-RWs recorded in the following formats:
– music CD format
– video CD format
– MP3 audio tracks and JPEG image files of format conforming to ISO 9660* Level 1/ Level 2, or its extended format, Joliet
– KODAK Picture CD format

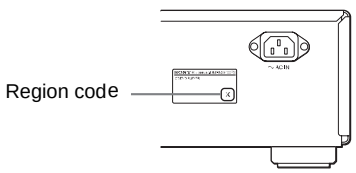
* A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).

Region code

Your player has a region code printed on the back of the unit and will only play DVD VIDEOs (playback only) labeled with identical region codes. This system is used to protect copyrights.

DVD VIDEOs labeled ALL will also play on this player.

If you try to play any other DVD VIDEO, the message "Playback prohibited by area limitations." will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be labeled even though playing the DVD VIDEO is prohibited by area restrictions.



Example of discs that the player cannot play

The player cannot play the following discs:
• CD-ROMs/CD-Rs/CD-RWs other than those recorded in the format listed on the previous page.
• Data part of CD-Extras
• DVD-ROMs
• DVD Audios

Also, the player cannot play the following discs:
• A DVD VIDEO with a different region code.
• A disc recorded in a colour system other than PAL or NTSC, such as SECAM (this player conforms to the PAL/NTSC colour system).
• A disc that has a non-standard shape (e.g., card, heart).
• A disc with paper or stickers on it.
• A disc that has the adhesive of cellophane tape or a sticker still left on it.
• DVD-Rs recorded in VR mode (Video Recording format)
• Copy-Once programmes recorded on CPRM* compatible DVD-Rs.

* CPRM; Content Protection for Recordable Media is a coding technology that protects copyright for Copy-Once programmes.

Notes

• **Notes about DVD+RWs/DVD+Rs, DVD-RWs/DVD-Rs or CD-Rs/CD-RWs**
Some DVD+RWs/DVD+Rs, DVD-RWs/DVD-Rs or CD-Rs/CD-RWs cannot be played on this player due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.
The disc will not play if it has not been correctly finalized. For more information, see the operating instructions for the recording device. Note that some playback functions may not work with some DVD+RWs/DVD+Rs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs created in Packet Write format cannot be played.
• **Music discs encoded with copyright protection technologies**
This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Note on playback operations of DVDs and VIDEO CDs

Some playback operations of DVDs and VIDEO CDs may be intentionally set by software producers. Since this player plays DVDs and VIDEO CDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs or VIDEO CDs.

Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

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- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  RU : Russian model

SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

RELEASING THE TRAY LOCK

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

Releasing Procedure :

1. Press the I/⏻ button to turn the power on.
2. While pressing the ■ button, press the ⏏ button until "TRAY UNLOCKED" displayed on the FL tube (around 5 seconds).

Note: When "TRAY LOCKED" is displayed, the tray lock is not released by turning power on/off with the I/⏻ button.

NOTES ON REPLACEMENT OF THE MAIN BOARD

1. Flash Memory

New part of flash memory (IC253, IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

2. Adjustment

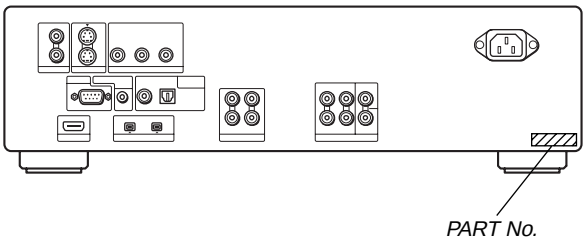
When replacing the MAIN board, since the adjustment value is not set up correctly, "Drive Auto Adjustment" in the Test Mode can't be performed.
In this case, initialize memory in the following procedures.

Procedure:

1. Connect a video monitor to VIDEO OUT jack (J502).
2. Press the TOP MENU, CLEAR, I/⏻ keys on the remote commander (RM-ASP003 or RM-ASP004) in this order with standby status to enter the Test Mode, then "DIAG START" will be displayed on the fluorescent indicator tube and the Test Mode Menu screen will be displayed on the monitor.
3. Press the 2 key on the remote commander to select the "2. Drive Manual Operation".
4. Press the 6 key on the remote commander to select the "6. Memory Check".
5. Press the CLEAR key on the remote commander to initialize the memory.

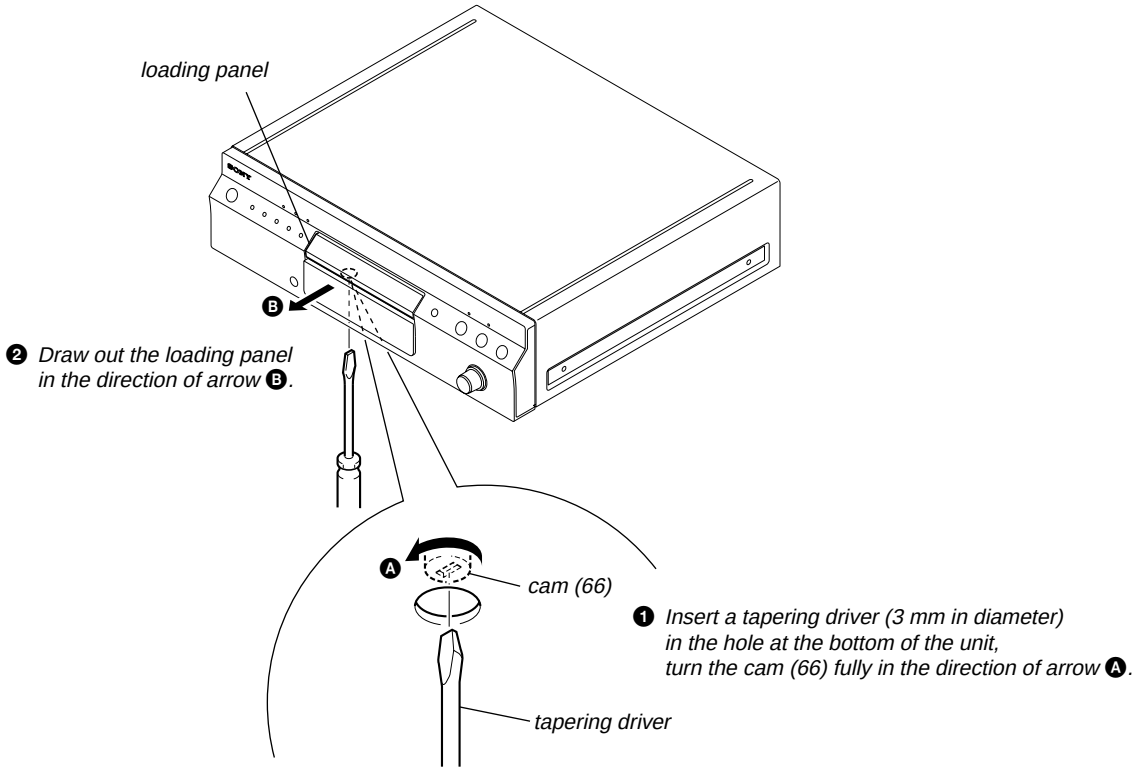
Note: Refer to page 17 for detail of the Test Mode

MODEL IDENTIFICATION
– Back Panel –



MODEL	PART No.
US, Korean and Chinese models	2-546-946-0□
Canadian model	2-546-946-1□
AEP, UK and Russian models	2-546-946-2□

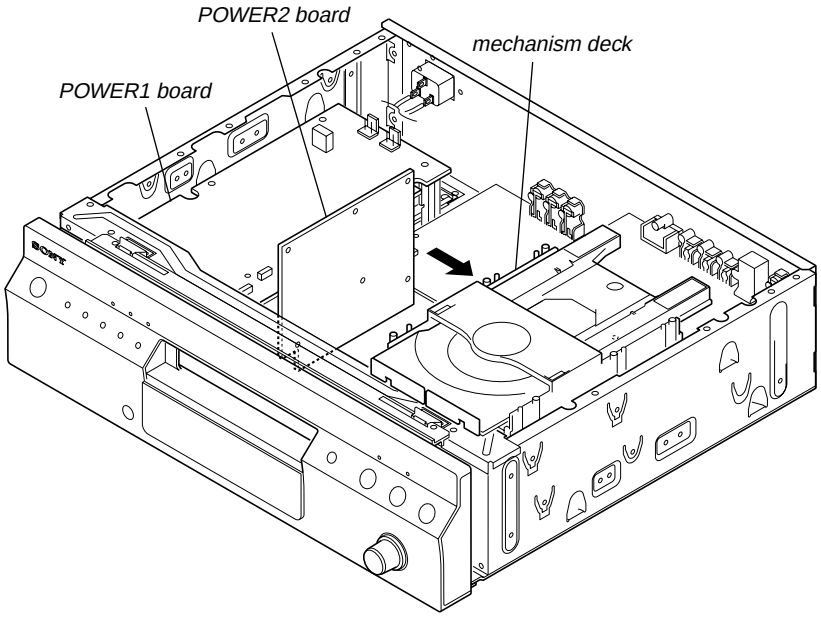
HOW TO OPEN THE LOADING PANEL WHEN POWER SWITCH TURNS OFF


loading panel
B
❷ Draw out the loading panel in the direction of arrow B.
A
cam (66)
❶ Insert a tapering driver (3 mm in diameter) in the hole at the bottom of the unit, turn the cam (66) fully in the direction of arrow A.
tapering driver

POWER2 BOARD SERVICE POSITION

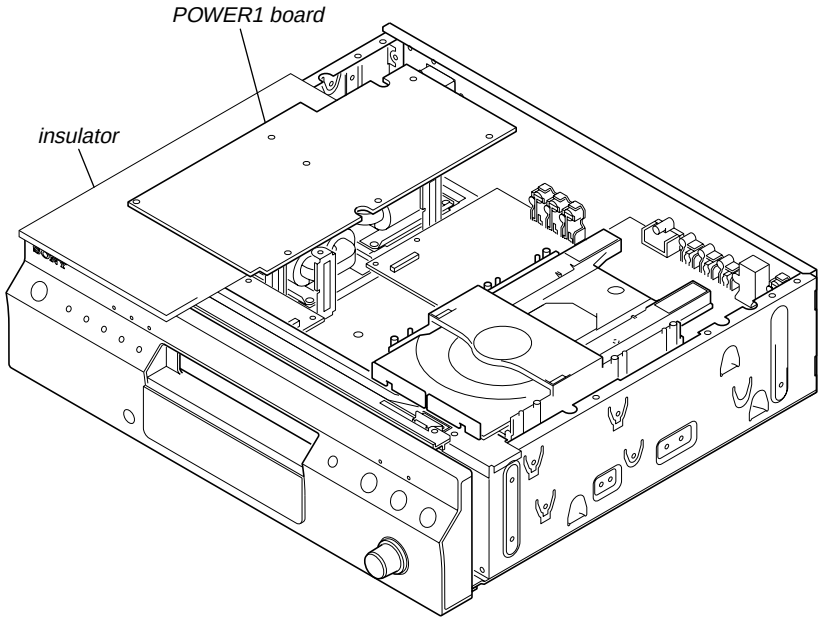
Note1: When remove the loading panel.
(Refer to page 13, 3-3. FRONT PANEL SECTION.)

Note2: When checking the POWER2 board on the lower side, remove the POWER1 board and the POWER2 board, and then reassemble the POWER1 board only to set it in the service position.
In such a case, shift the mechanism deck in the arrow direction.



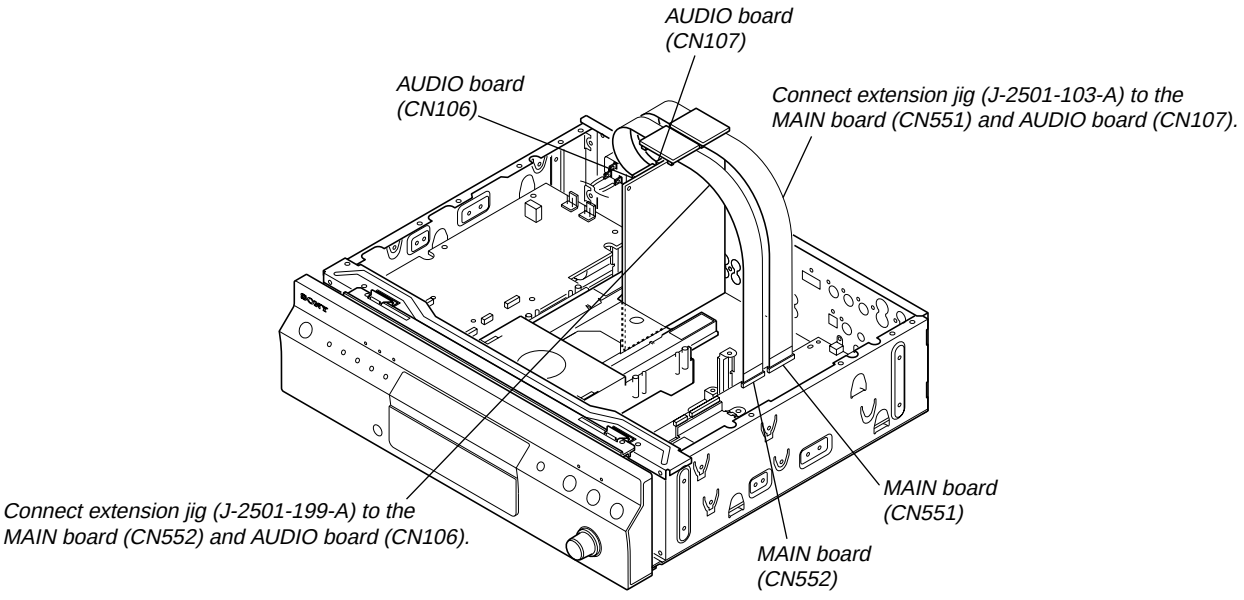
POWER1 BOARD SERVICE POSITION

Note: When remove the loading panel.
(Refer to page 13, 3-3. FRONT PANEL SECTION.)



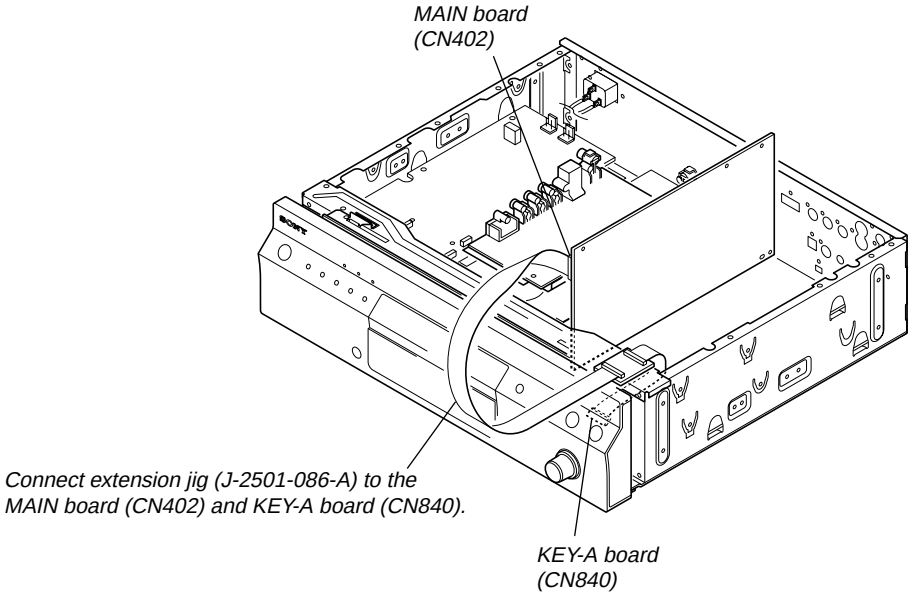
AUDIO BOARD SERVICE POSITION

- In checking the AUDIO board, prepare two extension jigs (Part No. J-2501-103-A: 1.00mm pitch, 29 cores, length 300mm and Part No. J-2501-199-A: 1.00mm pitch, 25 cores, length 300mm).



MAIN BOARD SERVICE POSITION

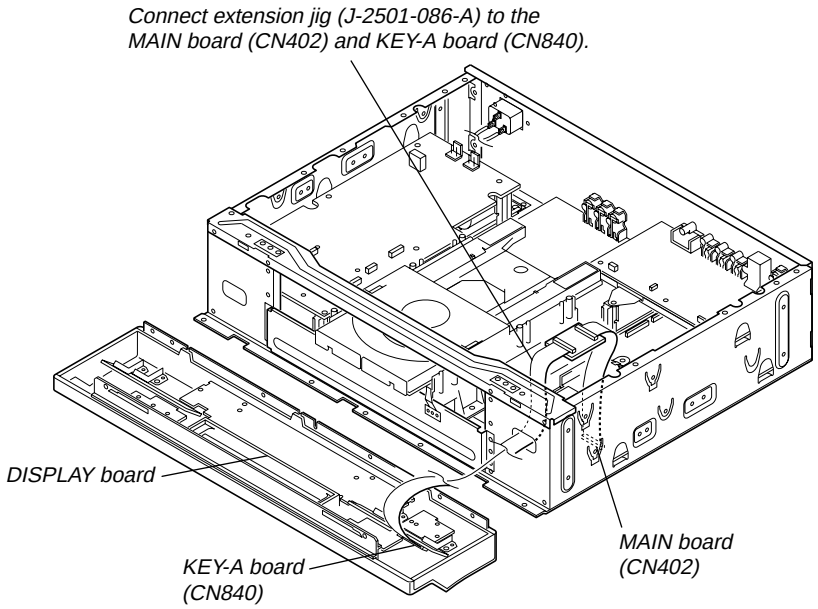
- In checking the MAIN board, prepare extension jig (Part No. J-2501-086-A: 1.00mm pitch, 19 cores, length 300mm).



DISPLAY BOARD SERVICE POSITION

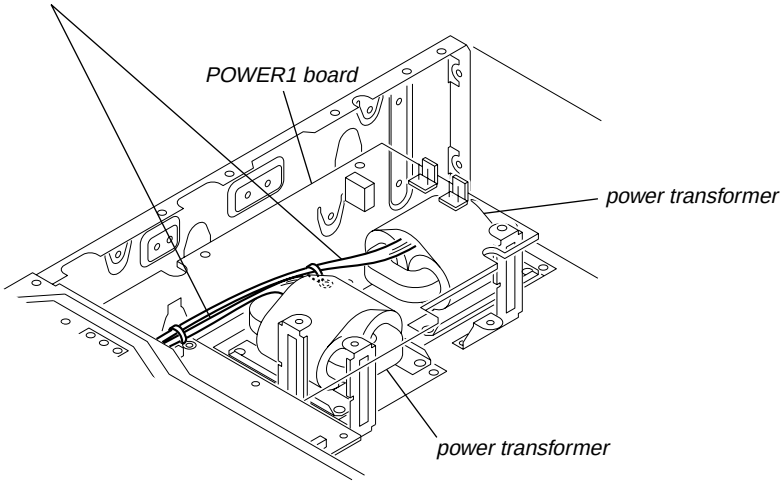
- In checking the DISPLAY board, prepare extension jig (Part No. J-2501-086-A: 1.00mm pitch, 19 cores, length 300mm).

Note: When remove the loading panel.
(Refer to page 13, 3-3. FRONT PANEL SECTION.)



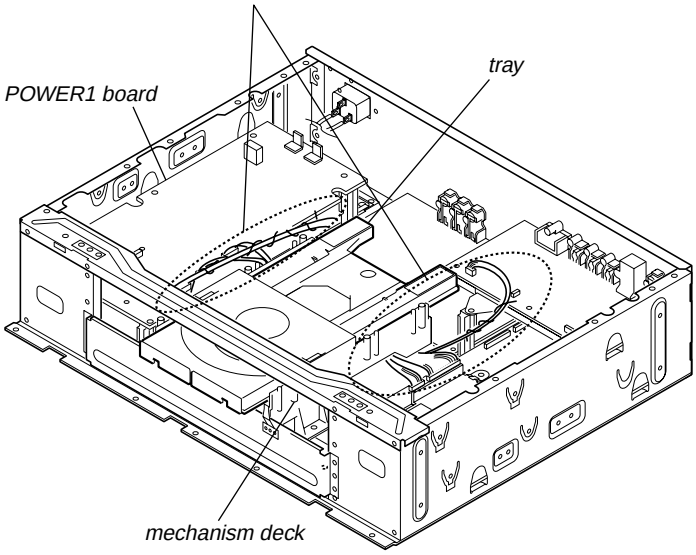
FIXING THE WIRES AROUND THE POWER TRANSFORMER

Note: They must not contact the primary side of the POWER1 board.



FIXING THE WIRES AROUND THE MECHANISM DECK

Note1: They must not contact the primary side of the POWER1 board.
Note2: They must not contact the tray of the mechanism deck.



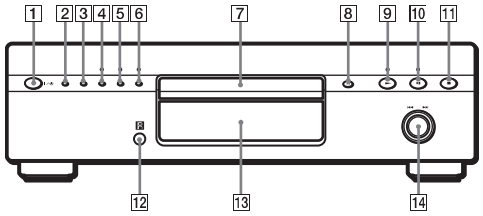
SECTION 2
GENERAL

This section is extracted from instruction manual.

• Location of Controls

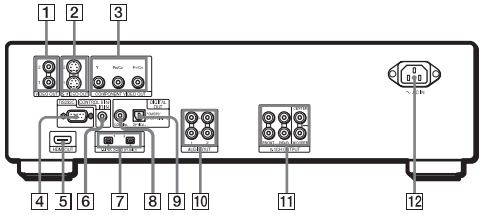
Front panel

The brightness of the indicators is linked to the dimmer function. When you select “DARK,” “AUTO DARK,” or “FL OFF” by pressing DIMMER, the indicators become dark.



1 I/⏻ (on/standby) button
2 MULTI/2CH button
3 SA-CD (Super Audio CD) /CD button
4 DIMMER button/indicator
5 VIDEO OFF button/indicator
6 i.LINK button/indicator
7 Disc tray
8 ⏏ (open/close) button
9 ► (play) button/indicator
10 ❚❚ (pause) button/indicator
11 ■ (stop) button
12 (remote sensor)
13 Front panel display
14 I◄◄/►►I (previous/next)/PUSH ENTER dial

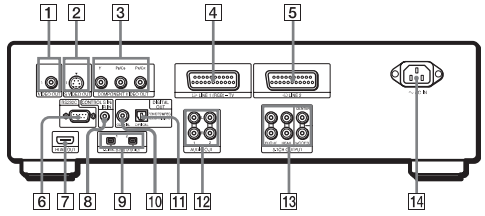
Rear panel (US, Canadian, Korean, Chinese models)



1 VIDEO OUT 1/2 jacks
2 S VIDEO OUT 1/2 jacks
3 COMPONENT VIDEO OUT (Y, PB/CB, PR/CR) jacks
4 RS232C jack*
5 HDMI OUT (high-definition multimedia interface out) jack
6 CONTROL S IN/IR IN jack
7 i.LINK S200 (AUDIO) jacks
8 DIGITAL OUT (COAXIAL) jack
9 DIGITAL OUT (OPTICAL) jack
10 AUDIO OUT L/R 1/2 jacks
11 5.1CH OUTPUT jacks
12 AC IN terminal

* Used for maintenance and service.

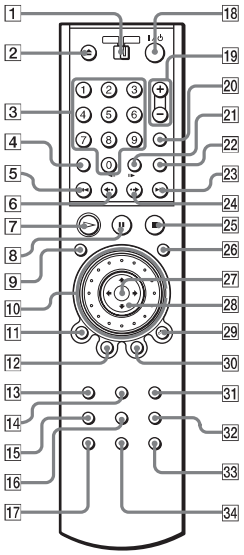
Rear panel (AEP, UK, Russian models)



1 VIDEO OUT jack
2 S VIDEO OUT jack
3 COMPONENT VIDEO OUT (Y, PB/CB, PR/CR) jacks
4 LINE 1 (RGB)-TV jack
5 LINE 2 jack
6 RS232C jack*
7 HDMI OUT (high-definition multimedia interface out) jack
8 CONTROL S IN/IR IN jack
9 i.LINK S200 (AUDIO) jacks
10 DIGITAL OUT (COAXIAL) jack
11 DIGITAL OUT (OPTICAL) jack
12 AUDIO OUT L/R 1/2 jacks
13 5.1CH OUTPUT jacks
14 AC IN terminal

* Used for maintenance and service.

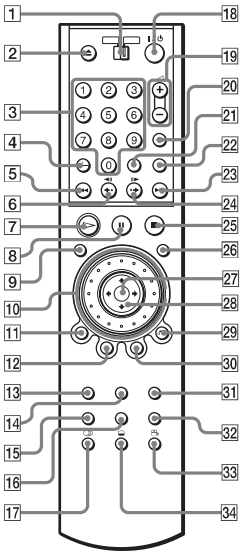
Remote (US, Canadian, Korean, Chinese models)



1 TV/DVD switch
2 ⏏ (open/close) button
3 Number buttons
The number 5 button has a tactile dot.*
4 CLEAR button
5 I◄◄ PREV (previous) button
6 ◄II ←• STEP/REPLAY button
7 ▻ PLAY button
The ▻ button has a tactile dot.*
8 ❚❚ PAUSE button
9 PICTURE NAVI (picture navigation) button
10 Click shuttle
11 DISPLAY button
12 TOP MENU button
13 SA-CD MULTI/2CH (Super Audio CD multi/2 channel) button
14 SA-CD/CD (Super Audio CD/CD) button
15 ZOOM button
16 REPEAT button
17 AUDIO button
18 I/⏻ (on/standby) button
19 VOL (volume) +/– buttons
The + button has a tactile dot.*
20 TV/VIDEO/TIME/TEXT button
21 ENTER button
22 WIDE MODE/i.LINK button
23 ►►I NEXT (next) button
24 •→ II► ADVANCE/S TEP button
25 ■ STOP button
26 JOG button
27 ENTER button
28 ←/↑/↓/→ buttons
29 RETURN button
30 MENU button
31 VIDEO OFF button
32 VIDEO CONTROL button
33 ANGLE button
34 SUBTITLE button

* Use the tactile dot as a reference when operating the player.

Remote (AEP, UK, Russian models)

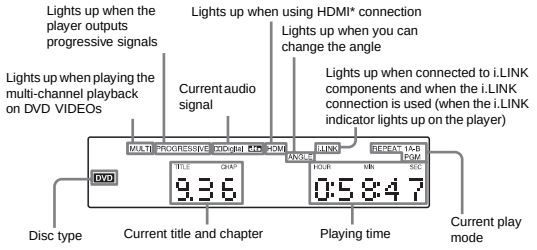


1 TV/DVD switch
2 ⏏ (open/close) button
3 Number buttons
The number 5 button has a tactile dot.*
4 CLEAR/-/-- (ten’s digit) button
5 I◄◄ (previous) button
6 ◄II ←• button
7 ▻ (play) button
The ▻ button has a tactile dot.*
8 ❚❚ (pause) button
9 PICTURE NAVI (picture navigation) button
10 Click shuttle
11 DISPLAY button
12 TOP MENU button
13 SA-CD MULTI/2CH (Super Audio CD multi/2 channel) button
14 SA-CD/CD (Super Audio CD/CD) button
15 ZOOM button
16 REPEAT button
17 (audio) button
18 I/⏻ (on/standby) button
19 (volume) +/– buttons
The + button has a tactile dot.*
20 TV/VIDEO/TIME/TEXT button
21 ENTER button
22 WIDE MODE/i.LINK button
23 ►►I (next) button
24 •→ II► button
25 ■ (stop) button
26 JOG button
27 ENTER button
28 ←/↑/↓/→ buttons
29 RETURN button
30 MENU button
31 VIDEO OFF button
32 VIDEO CONTROL button
33 (angle) button
34 (subtitle) button

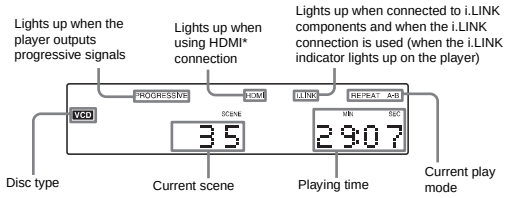
* Use the tactile dot as a reference when operating the player.

Front panel display (US, Canadian, Korean models)

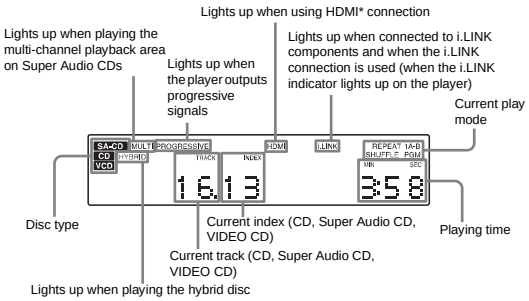
When playing back a DVD VIDEO/DVD-RW


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when you can change the angle
Lights up when playing the multi-channel playback on DVD VIDEOs
Current audio signal
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current title and chapter
Playing time
Current play mode

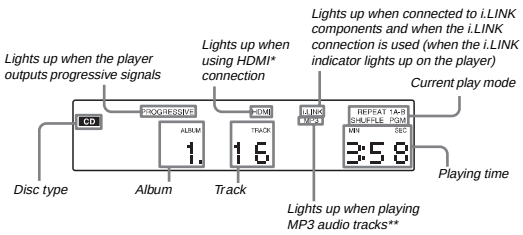
When playing back a VIDEO CD with Playback Control (PBC)


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current scene
Playing time
Current play mode

When playing back a CD, Super Audio CD, or VIDEO CD (without PBC)


Lights up when using HDMI* connection
Lights up when playing the multi-channel playback area on Super Audio CDs
Lights up when the player outputs progressive signals
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Current play mode
Disc type
Current index (CD, Super Audio CD, VIDEO CD)
Playing time
Current track (CD, Super Audio CD, VIDEO CD)
Lights up when playing the hybrid disc

When playing back a DATA CD (MP3 audio)


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Current play mode
Playing time
Disc type
Album
Track
Lights up when playing MP3 audio tracks**

* This player is based on version 1.1 of High-Definition Multimedia Interface Specifications.

This DVD player incorporates High-Definition Multimedia Interface (HDMI™) technology.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

** When playing JPEG image files, "JPEG" appears on the display.

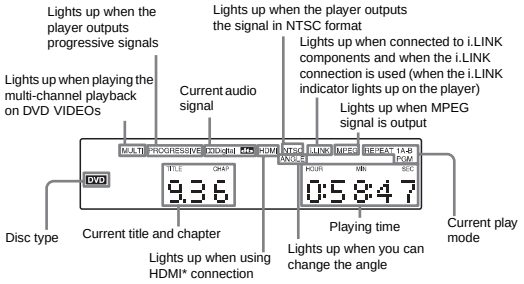
To adjust the lighting of the front panel display (DIMMER function)

Press DIMMER on the player repeatedly to select an item.

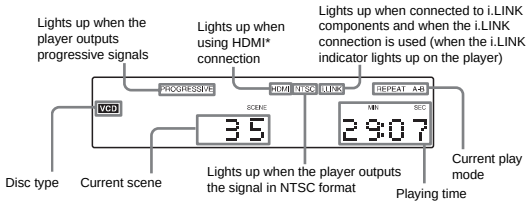
- BRIGHT: makes the lighting bright.
- DARK: makes the lighting dark.
- AUTO DARK: makes the front panel display dark if you do not operate the player or remote for a short while.
- FL OFF: turns off the lighting.

Front panel display (AEP, UK, Russian, Chinese models)

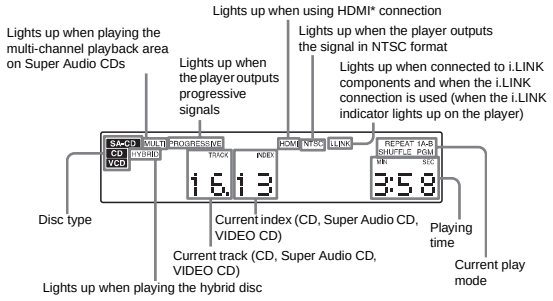
When playing back a DVD VIDEO/DVD-RW


Lights up when the player outputs progressive signals
Lights up when the player outputs the signal in NTSC format
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Lights up when playing the multi-channel playback on DVD VIDEOs
Current audio signal
Lights up when MPEG signal is output
Disc type
Current title and chapter
Playing time
Current play mode
Lights up when using HDMI* connection
Lights up when you can change the angle

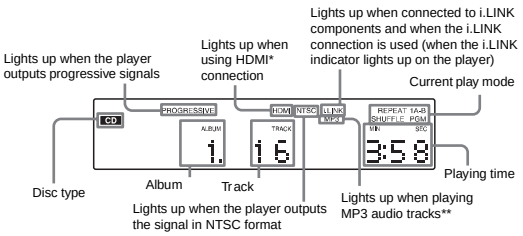
When playing back a VIDEO CD with Playback Control (PBC)


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current scene
Lights up when the player outputs the signal in NTSC format
Playing time
Current play mode

When playing back a CD, Super Audio CD, or VIDEO CD (without PBC)


Lights up when using HDMI* connection
Lights up when playing the multi-channel playback area on Super Audio CDs
Lights up when the player outputs the signal in NTSC format
Lights up when the player outputs progressive signals
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current index (CD, Super Audio CD, VIDEO CD)
Playing time
Current track (CD, Super Audio CD, VIDEO CD)
Current play mode
Lights up when playing the hybrid disc

When playing back a DATA CD (MP3 audio)


Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Current play mode
Playing time
Disc type
Album
Track
Lights up when the player outputs the signal in NTSC format
Lights up when playing MP3 audio tracks**

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** When playing JPEG image files, "JPEG" appears on the display.

To adjust the lighting of the front panel display (DIMMER function)

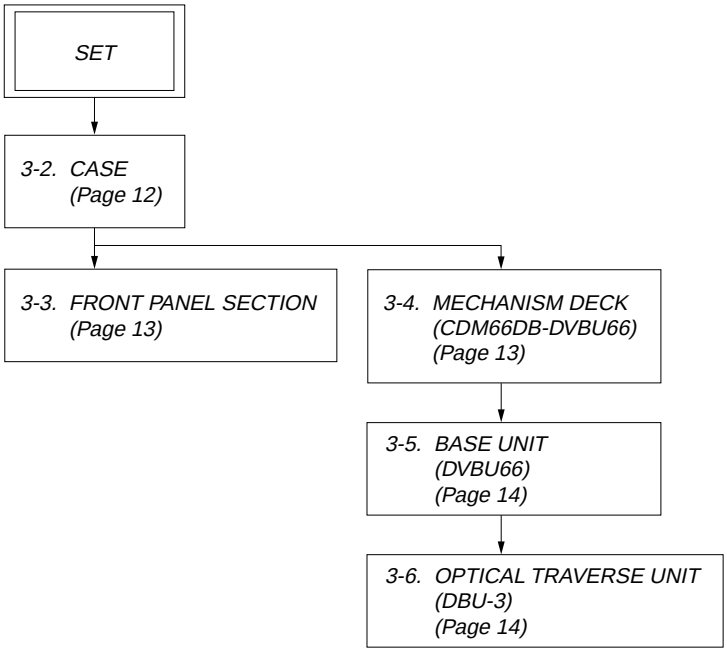
Press DIMMER on the player repeatedly to select an item.

- BRIGHT: makes the lighting bright.
- DARK: makes the lighting dark.
- AUTO DARK: makes the front panel display dark if you do not operate the player or remote for a short while.
- FL OFF: turns off the lighting.

SECTION 3
DISASSEMBLY

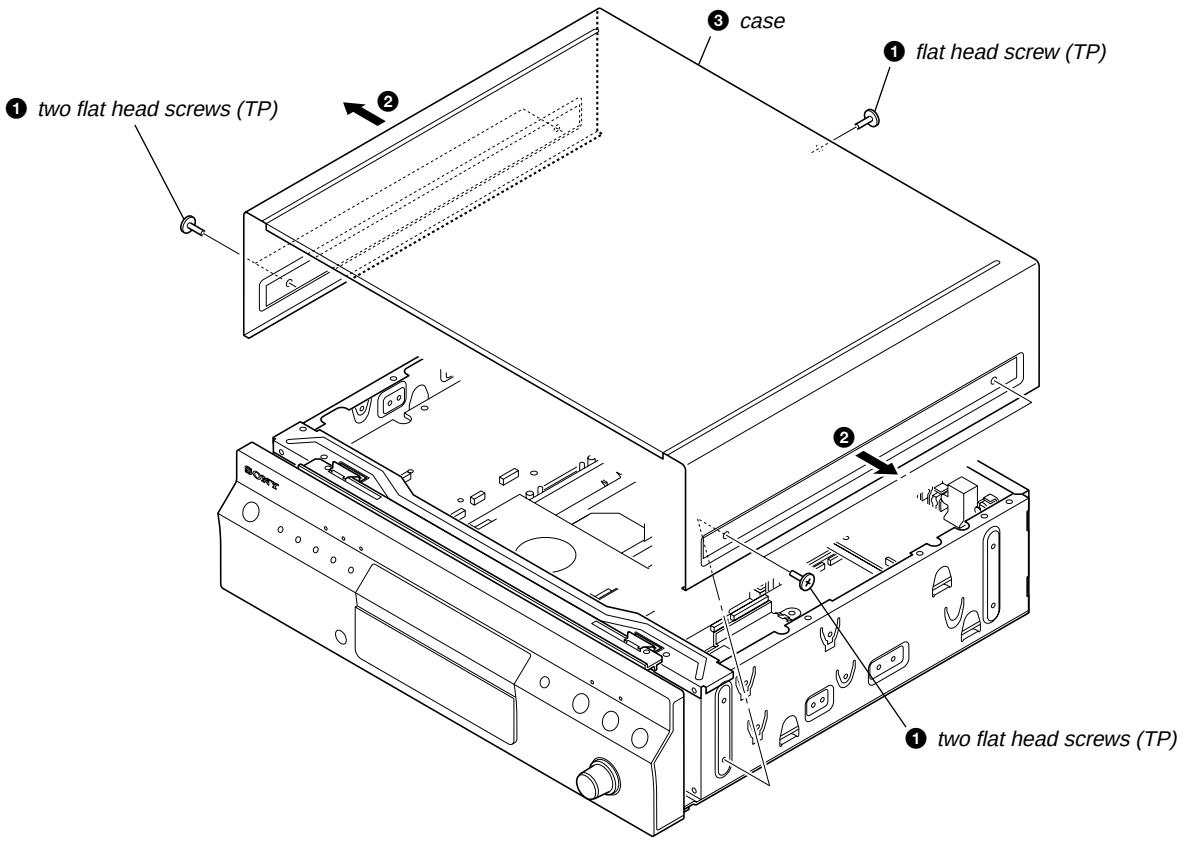
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

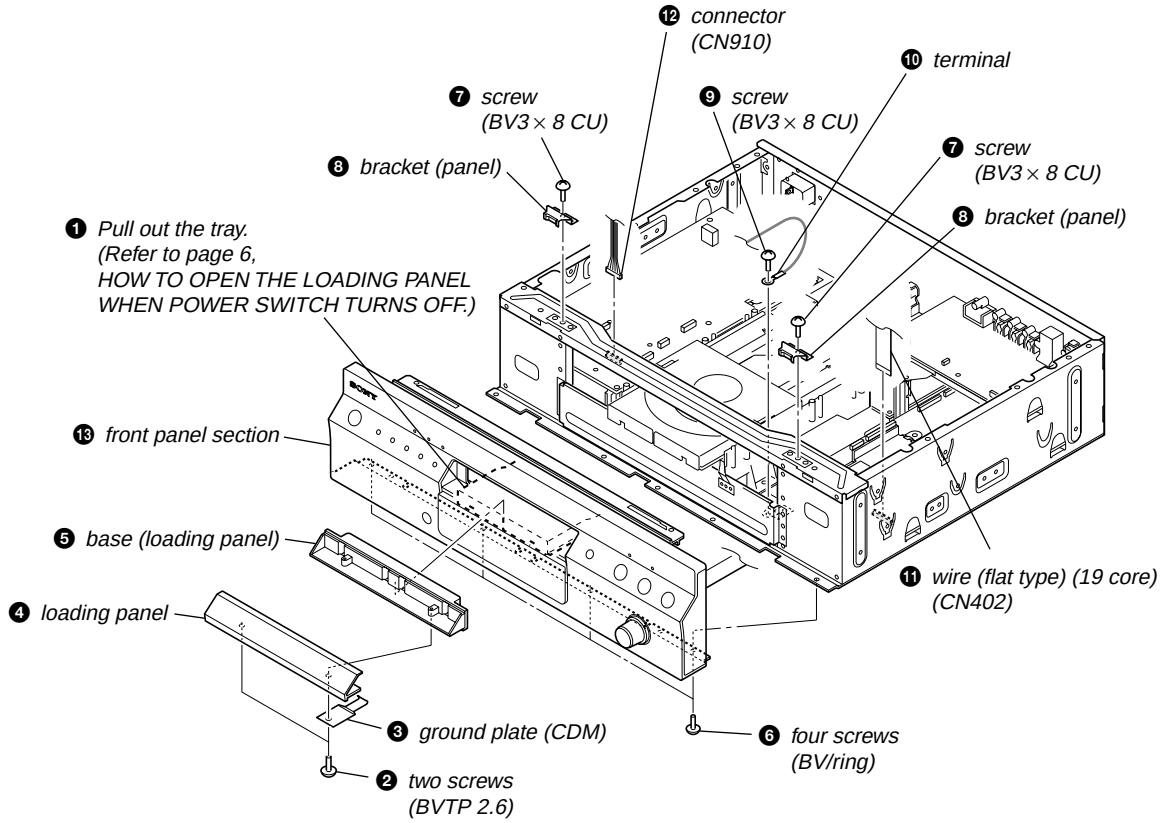


Note: Follow the disassembly procedure in the numerical order given.

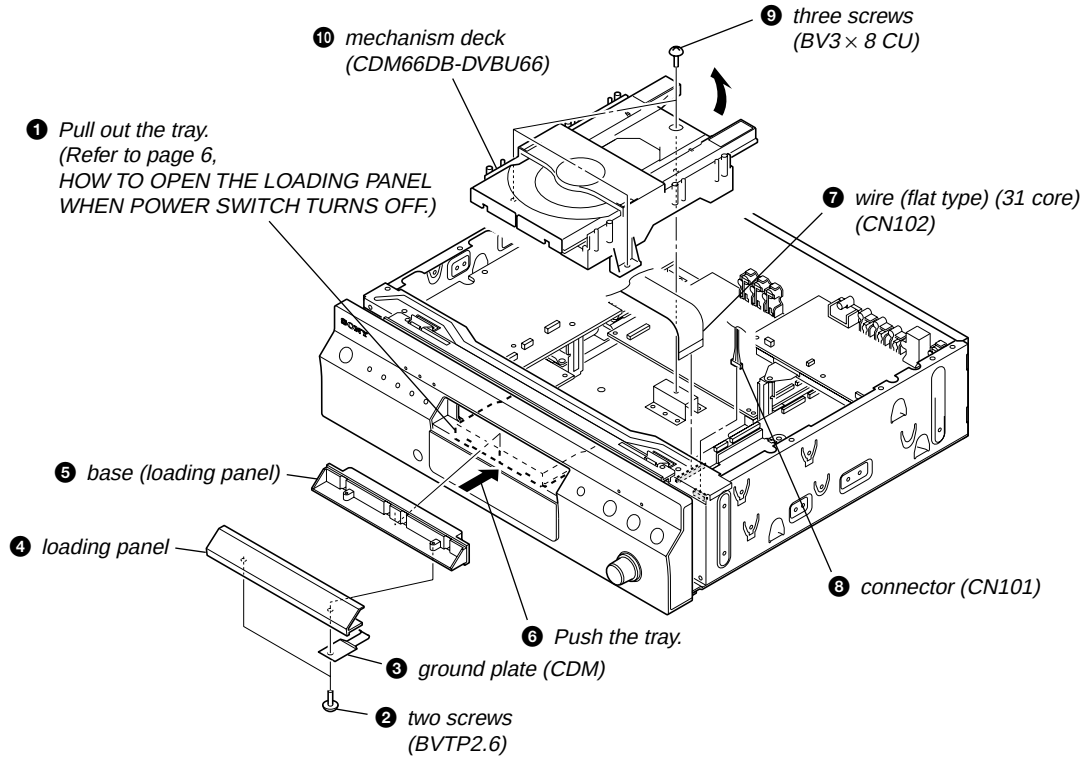
3-2. CASE



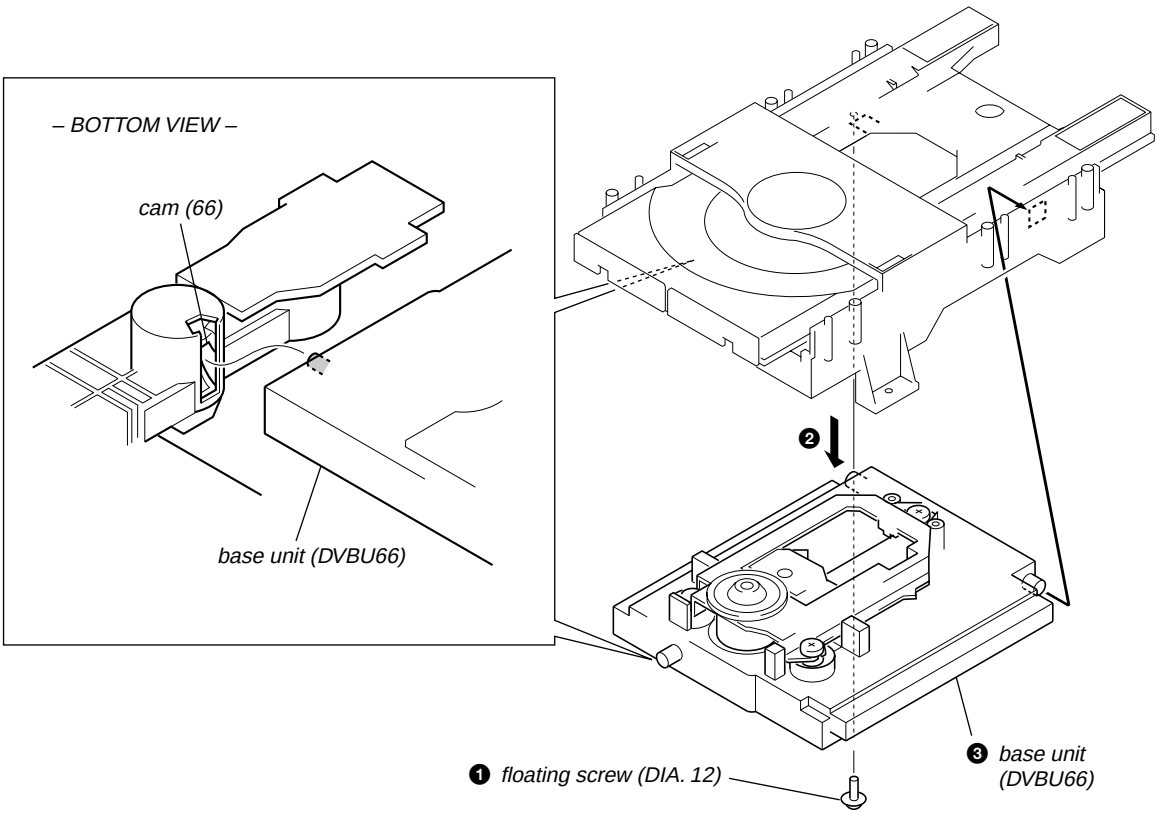
3-3. FRONT PANEL SECTION


⓬ connector (CN910)
⓾ terminal
❼ screw (BV3 × 8 CU)
❾ screw (BV3 × 8 CU)
❼ screw (BV3 × 8 CU)
❽ bracket (panel)
❽ bracket (panel)
❶ Pull out the tray. (Refer to page 6, HOW TO OPEN THE LOADING PANEL WHEN POWER SWITCH TURNS OFF.)
⓭ front panel section
❺ base (loading panel)
⓫ wire (flat type) (19 core) (CN402)
❹ loading panel
❸ ground plate (CDM)
❻ four screws (BV/ring)
❷ two screws (BVTP 2.6)

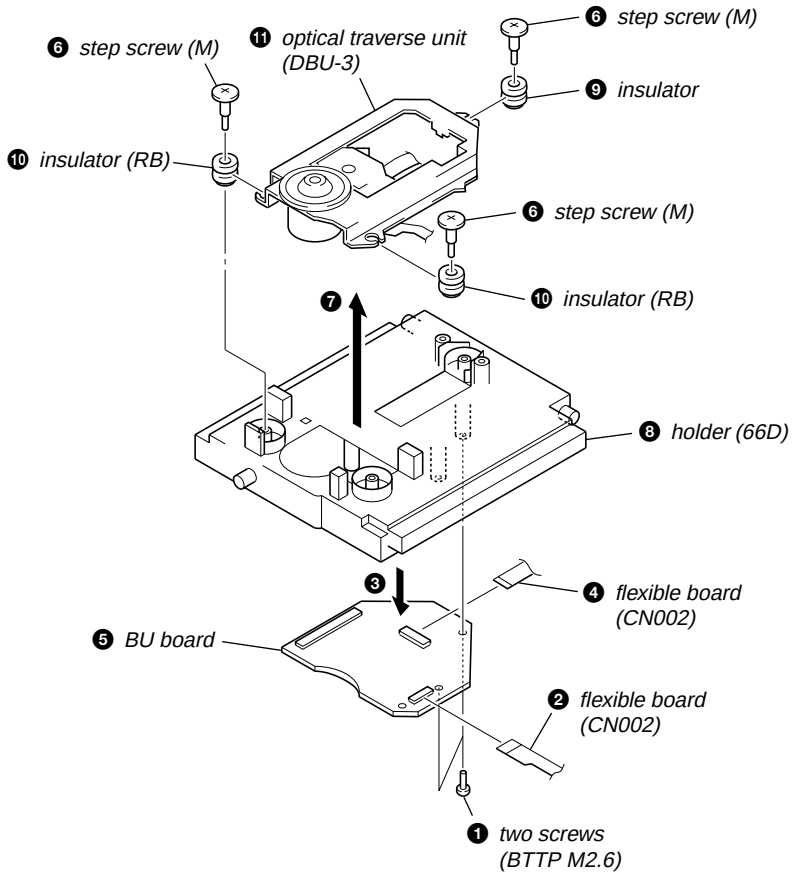
3-4. MECHANISM DECK (CDM66DB-DVBU66)


❾ three screws (BV3 × 8 CU)
❿ mechanism deck (CDM66DB-DVBU66)
❶ Pull out the tray. (Refer to page 6, HOW TO OPEN THE LOADING PANEL WHEN POWER SWITCH TURNS OFF.)
❼ wire (flat type) (31 core) (CN102)
❺ base (loading panel)
❹ loading panel
❽ connector (CN101)
❻ Push the tray.
❸ ground plate (CDM)
❷ two screws (BVTP2.6)

3-5. BASE UNIT (DVBU66)



3-6. OPTICAL TRAVERSE UNIT (DBU-3)



SECTION 4
SERVICE MODE

TRAY LOCK

This mode let you lock the disc tray. When this mode is activated, the disc will not eject when ⏏ button is pressed. The message "TRAY LOCKED" will be displayed in on the FL tube.

Procedure:

1. Press the I/⏻ button to turn the power on.
2. While pressing the ■ button, press the ⏏ button until "TRAY LOCKED" or "TRAY UNLOCKED" displayed on the FL tube (around 5 seconds).

CHILD LOCK

This player can lock the disc tray to prevent children from opening it.

Procedure:

1. In the standby mode, press the RETURN, ENTER, I/⏻ buttons on the remote in this order.
2. It turns on and "LOCKED" appears on the FL tube.
3. The OPEN/CLOSE button on the player and the remote do not work while this lock is set.
4. To release this lock, when the player is in standby mode, operate the remote in the same manner as step 1 again.
   It turns on and "UNLOCKED" appears on the FL tube.

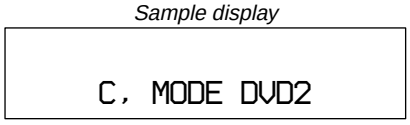
COMMAND MODE SETTEING

If the supplied remote interferes with your other Sony DVD player, change the command mode setting for this player and the supplied remote to one that differs from the other Sony DVD player.
The default command mode setting for this player and the supplied remote is DVD 1.

Procedure:

1. Slide the COMMAND MODE switch in the battery case of the remote to select the command mode (DVD 1, DVD 2, or DVD 3) so that the setting for the remote differs from that of the other DVD players.
   For example, if the other DVD players respond to the default command mode setting for the supplied remote (DVD 1), set the remote to DVD 2 or DVD 3.
2. In the standby mode, hold down MULTI/2CH button and press I/⏻ button on the player. The command mode appears on the FL tube as follows.

Sample display



3. Repeat steps 2 and 3 until the displayed command mode matches that of the supplied remote.

SHIP MODE

If this mode is executed, each setting data is initialized.

Procedure:

1. In the standby mode, while pressing the ❚❚ and SA-CD/CD buttons, press the ► button.
2. When enter the Ship Mode, it displays "SETUP INIT" on the FL tube and start the data initializing.
3. When the initializing is complete, it displays "FINISHED" on the FL tube. Then press the I/⏻ button and back to standby mode.

SECTION 5
TEST MODE

DVD SECTION

GENERAL DESCRIPTION

The Test Mode allows you to make diagnosis and adjustment easily using the remote commander and monitor TV. The instructions, diagnostic results, etc. are given on the on-screen display (OSD).

STARTING TEST MODE

Press the [TOP MENU], [CLEAR], [I/⏻] keys on the remote commander in this order with standby status, and the Test Mode starts, then "DIAG START" will be displayed on the fluorescent display tube and the menu shown below will be displayed on the TV screen. At the bottom of menu screen, the model name and revision number are displayed. Last Off at the lower right of screen indicates the information code concerning the last power off. To execute each function, select the desired menu and press its number on the remote commander. To exit from the Test Mode, press the [I/⏻] key.

```
         Test Mode Menu

0. B/E Diagnosis
1. Drive Auto Adjustment
2. Drive Manual Operation
3. Mecha Aging
4. Emergency History
5. Version Information
6. Video Level Adjustment
                 Exit: Power Key

Model   :DVP-NS9100ES
Revision:xxx xxx
```

OPERATING THE SUB MENU

0. B/E Diagnosis

The same contents as board detail check by serial interface can be checked from the remote commander. On the Test Mode Menu screen, press [0] key on the remote commander, and the following check menu will be displayed.

```
   ### BackEnd Diagnosis ###
Check Menu
0 . Quit
1 . All
2 . Version
3 . Peripheral
4 . Servo
5 . Video
6 . Audio


Model   :DVP-NS9100ES
Revision:xxx xxx
```

0-0. Quit

Quit the Syscon Diagnosis and return to the Test Mode Menu.

0-1. All (All items continuous check)

This menu checks all diagnostic items continuously. Normally, all items are checked successively one after another automatically unless an error is found, but at a certain item that requires judgment through a visual check to the result, the following screen is displayed for the key entry.

- **Example display**

```
   ### BackEnd Diagnosis ###

2. Version

2-0. Quit
2-1. ALL
2-2. Revision:x.xxx

2-4. Model   :SINGLE ES(x)
2-5. Region:x
Press NEXT Key to Continue
```

Following the message, press [▶▶I] key to go to the next item.

To quit the diagnosis and return to the Check Menu screen, press [■] or [ENTER] key. If an error occurred, the diagnosis is suspended.
Press [I◀◀] key to repeat the same item where an error occurred, or [▶▶I] key to continue the check from the item next to faulty item.

0-2. Version

(2-2) Revision
ROM revision number is displayed.
Error: Not detected.
The revision number defined in the source file is displayed with four digits.

(2-4) Model Type
Model code is displayed.
Error: Not detected.
The model code read from the EEPROM is displayed.

(2-5) Region
Region code is displayed.
Error: Not detected.
The region code determined from the model code is displayed.

0-3. Peripheral

(3-2) Flash Rom
Data delete ⟶ write ⟶ read, and accord check
Error 32: Delete error
Error 33: Write error
Error 34: Read data discord
Error may occur due to defect of access with the CPU (MAIN board IC256).

(3-3) SA-CD Check
Data write ⟶ read, and accord check
Error 36: Write/read data discord
Check for SA-CD circuit (MAIN board IC502 and around circuit).

(3-4) Venc Check
Register write ⟶ read, and accord check
Error 37: Write/read data discord
Error may occur due to defect of access with the CPU (MAIN board IC256).

(3-6) LIP sync RAM Check
Data write ⟶ read, and accord check
Error 38: Write/read data discord
External RAM check for LIP sync (MAIN board IC552).

(3-7) PROV Check
Data write ⟶ read, and accord check
Error 39: Write/read data discord
External RAM check for I/P converter (MAIN board IC603) too.

(3-8) HDMI Check
Register write ⟶ read, and accord check
Error 43: Write/read data discord
Error may occur due to defect of access with the HDMI transmitter (MAIN board IC607).

0-4. Servo

(4-2) Servo (F/E) Check
Data write ⟶ read, and accord check
Error 41: Read data discord
0x9249, 0x2942 and 0x4294 are written to the RAM address 0x602 of the DVD interface (front-end) (MAIN board IC105) and then read for checking.

0-5. Video

(5-2) Interlace
Error: Not detected.
The command is transferred to the video encoder (MAIN board IC606), and change the video signal to interlace.

(5-3) Progressive
AVD color bar command write ⟶ Video (Composite, Y/C) OUT
Error: Not detected.
The command is transferred to the video encoder (MAIN board IC606), and change the video signal to progressive.

(5-4) Color Bar
Error: Not detected.
The command is transferred to the video encoder (MAIN board IC606), and the color bar signals are output from video terminals.

0-6. Audio

Not used.

1. Drive Auto Adjustment

DVD reference disc:

Single Layer
- TDV-520CS0 (J-2501-236-A) (NTSC)
- HLX-503 (J-6090-069-A) (NTSC)
- HLX-504 (J-6090-088-A) (NTSC)

Dual Layer
- TDV-540C (J-2501-235-A) (NTSC, Opposite)
- HLX-501 (J-6090-071-A) (NTSC)
- HLX-505 (J-6090-089-A) (NTSC)

Note: Use the NTSC test disc also for PAL model.

CD reference disc:

LUV-P01 (4-999-032-01)
YEDS-18 (3-702-101-01)
PATD-012 (4-225-203-01)

On the Test Mode Menu screen, press [1] key on the remote commander, and the drive auto adjustment menu will be displayed.

```
   ## Drive Auto Adjustment ##

         Adjustment Menu

0. ALL (DL:Parallel)
1. DVD-SL
2. CD
3. DVD-DL (Parallel)

4. ALL (DL:Opposite)
5. DVD-DL (Opposite)
9. CLEAR DATA
                      Exit: RETURN
```

Normally, [0] or [4] is selected to adjust DVD (single layer), CD, and DVD (dual layer) in this order. But, individual items can be adjusted for the case where adjustment is suspended due to an error. In this mode, the adjustment can be made easily through the operation following the message displayed on the screen. Which disc is currently adjusted is displayed on the fluorescent display tube.

1-0. ALL (DL: Parallel)

Select [0] and press the [ENTER] key. Then, [1] DVD-SL disc, [2] CD disc, and [3] DVD-DL (Parallel) disc are adjusted in this order. Each time one disc was adjusted, it is ejected, and therefore exchange the disc following the message. You can exit the adjustment by pressing the [■] button. In adjusting each disc, the mirror time is measured to check the disc type. In the auto adjustment, whether the disc type is correct is not checked unlike conventional models, and accordingly, take care not to insert a different type of disc.

Set Disc
1: DVD-SL (TDV-520CS0 or HLX-503 or HLX-504)
2: CD (LUV-P01 or YEDS-18 or PATD-012)
3: DVD-DL (HLX-501 or HLX-505)

1-1. DVD Single Layer Disc

Select [1], insert DVD single layer disc, and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the SL disc is set on the disc tray.

DVD Single Layer Disc Adjustment Steps

1. Sled Reset
2. Set Disc Type SL
3. Laser Diode (DVD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Tracking Off
13. Tracking Error Level Adjust 2nd
14. Tracking Error Offset Adjust 2nd
15. Tracking ON
16. Auto Focus Gain Adjust L0
17. Auto Tracking Gain Adjust L0
18. Sled ON
19. CLV ON
20. Auto Focus Balance Adjust L0
21. Auto RFEQ Boost Adjust L0
22. Jitter measure
23. Search Check
24. All Servo Off

1-2. CD Disc

Select [2], insert CD disc, and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the CD is set on the disc tray.

CD Adjustment Steps

1. Sled Reset
2. Set Disc Type CD
3. Laser Diode (CD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Auto Focus Gain Adjust
13. Auto Tracking Gain Adjust
14. Sled ON
15. CLV ON
16. Auto Focus Balance Adjust
17. Auto RFEQ Boost Adjust
18. Jitter measure
19. Search Check
20. All Servo Off

1-3. DVD Dual Layer Disc (Parallel)

Select [3], insert DVD dual layer disc, and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the DL disc is set on the disc tray.

DVD Dual Layer Disc Adjustment Steps

1. Sled Reset
2. Set Disc Type DL
3. Laser Diode (DVD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Tracking Off
13. Tracking Error Level Adjust 2nd
14. Tracking Error Offset Adjust 2nd
15. Tracking ON
16. Auto Focus Gain Adjust L0
17. Auto Tacking Gain Adjust L0
18. Sled ON
19. CLV ON
20. Auto Focus Balance Adjust L0
21. Auto RFEQ Boost Adjust L0
22. Jitter measure
23. Search Check
24. Focus Jump (L0 → L1)
25. Tracking Off
26. Tracking Error Level Adjust
27. Tracking Error Offset Adjust
28. Tracking ON
29. Auto Focus Gain Adjust L1
30. Auto Tracking Gain Adjust L1
31. Sled ON
32. CLV ON
33. Auto Focus Balance Adjust L1
34. Auto RFEQ Boost Adjust L1
35. Search Check
36. All Servo Off

1-4. ALL (DL: Opposite)

Select [4] and press the [ENTER] key. Then, [1] DVD-SL disc, [2] CD disc, and [5] DVD-DL (Opposite) disc are adjusted in this order. Each time one disc was adjusted, it is ejected, and therefore exchange the disc following the message. You can exit the adjustment by pressing the [■] button. In adjusting each disc, the mirror time is measured to check the disc type. In the auto adjustment, whether the disc type is correct is not checked unlike conventional models, and accordingly, take care not to insert a different type of disc.

Set Disc
1: DVD-SL (TDV-520CS0 or HLX-503 or HLX-504)
2: CD (LUV-P01 or YEDS-18 or PATD-012)
3: DVD-DL (TDV-540C only)

1-5. DVD Dual Layer Disc (Opposite)

Note: Make sure, using the TDV-540C in this adjustment.

Select [5], insert DVD dual layer disc (TDV-540C), and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the DL disc is set on the disc tray.

DVD Dual Layer Disc Adjustment Steps

1. Sled Reset
2. Set Disc Type DL
3. Laser Diode (DVD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Tracking Off
13. Tracking Error Level Adjust 2nd
14. Tracking Error Offset Adjust 2nd
15. Tracking ON
16. Auto Focus Gain Adjust L0
17. Auto Tacking Gain Adjust L0
18. Sled ON
19. CLV ON
20. Auto Focus Balance Adjust L0
21. Auto RFEQ Boost Adjust L0
22. Jitter measure
23. Search Check
24. Focus Jump (L0 → L1)
25. Tracking Off
26. Tracking Error Level Adjust
27. Tracking Error Offset Adjust
28. Tracking ON
29. Auto Focus Gain Adjust L1
30. Auto Tracking Gain Adjust L1
31. Sled ON
32. CLV ON
33. Auto Focus Balance Adjust L1
34. Auto RFEQ Boost Adjust L1
35. Search Check
36. All Servo Off

2. Drive Manual Operation

On the Test Mode Menu screen, select [2], and the manual operation menu will be displayed. For the manual operation, each servo on/off control and adjustment can be executed manually.

```
  ## Drive Manual Operation ##


2. Operation Commands
3. Servo Control
4. Track/Layer Jump

6. Memory Check
7. Changer Manual Move
8. Changer Mecha Check
                     Exit: RETURN
Model   :DVP-NS9100ES
Revision:xxx xxx
```

Basic operation (controllable from front panel or remote commander)

[I/⏻] : Power OFF
[■] : Servo stop
[⏏] : Stop+Eject/Loading
[↩] (RETURN) : Return to Operation Menu or Test Mode Menu
[▶▶|] , [|◀◀] : Transition between sub modes of menu
[1] to [9], [0] : Selection of menu and items
Cursor [↑]/[↓] : Increase/Decrease in manually adjusted value

2-2. Operation Commands

```
 ### Drive Manual Operation ###
2. Operation Commands

 1. Search Disc (DVD Priority)
 2. Search Disc (CD Priority)
 3. PLAY
 4. Pause
 5. Stop




                     Exit: RETURN
```

[1] Serch Disc (DVD Priority) : DVD SDISC (F/E command) is performed by priority.
[2] Serch Disc (CD Priority) : CD SDISC (F/E command) is performed by priority.
[3] PLAY : Playback the current disc (DVD/CD). Start address is DVD = 0x030000 or CD = 00:00:00.
[4] Pause : Pause
[5] Stop : Stop

2-3. Servo Control

```
 ### Drive Manual Operation ###
3. Servo Control
 1. LD DVD      Off/On
 2. LD CD       Off/On
 3. Focus       Off/On
 4. Spindle     Off/On
 5. Track       Off/On
 6. Sled        Off/On

 8. Focus Ramp


                    Exit: RETURN
```

On this screen, the servo on/off control necessary for replay is executed. Normally, turn on each servo from 1 sequentially and when CLVA is turned on, the usual trace mode becomes active. In the trace mode, DVD sector address or CD time code is displayed. This is not displayed where the spindle is not locked.
The spindle could run overriding the control if the spindle system is faulty or RF is not present. In such a case, do not operate CLVA.

[1] LD DVD : Turn on/off the laser for DVD.
[2] LD CD : Turn on/off the laser for CD.
[3] Focus : Turn on/off the focus servo.
[4] Spindle : Turn on/off the spindle servo.
[5] Track : Turn on/off the tracking servo.
[6] Sled : Turn on/off the sled servo.
[8] Focus Ramp : In the laser diode on and focus servo off status, repeat the focus up/down.

2-4. Track/Layer Jump

```
4. Track/Layer Jump
 1. 1Tj         FWD
 2. 1Tj         REV
 3. 200Tj       FWD
 4. 200Tj       REV
 5. 2kTj        FWD
 6. 2kTj        REV
 9. Lj (L1->L0)
 0. Lj (L0->L1)


                    Exit: RETURN
```

On this screen, track jump, etc. can be performed. Only for the DVD-DL, the focus jump and layer jump are displayed in the right field.

[1] 1Tj FWD : 1-track jump forward.
[2] 1Tj REV : 1-track jump reverse.
[3] 200Tj FWD : 200-track jump forward.
[4] 200Tj REV : 200-track jump reverse.
[5] 2kTj FWD : 2k-track jump forward.
[6] 2kTj REV : 2k-track jump reverse.
[9] Lj (L1->L0) : Layer jump.
[0] Lj (L0->L1) : Layer jump.

2-6. Memory Check

The display image is shown below and three screens in total can be selected.

```
6. Memory Check Flash Data 1
              CD   SL   L0   L1
 An.Off A     xx   xx   xx   xx
 An.Off B     xx   xx   xx   xx
 An.Off C     xx   xx   xx   xx
 An.Off D     xx   xx   xx   xx
 An.Off E     xx   xx   xx   xx
 An.Off F     xx   xx   xx   xx
 An.G.Main    xx   xx   xx   xx
 An.G.Side    xx   xx   xx   xx
 RF level     xx   xx   xx   xx
 FE S level   xx   xx   xx   xx
Down:NextPage         Exit:RETURN
```

```
6. Memory Check Flash Data 2
              CD   SL   L0   L1
 TE Level     xx   xx   xx   xx
 TE Offset    xx   xx   xx   xx
 FCS Gain     xx   xx   xx   xx
 TRK Gain     xx   xx   xx   xx
 FCS Bal.1    xx   xx   xx   xx
 FCS Bal.2    xx   xx   xx   xx
 RFEQ 1       xx   xx   xx   xx
 RFEQ 2       xx   xx   xx   xx
 VTS2         xx   xx   xx   xx
 Jitter       xx   xx   xx   xx
Up/Dn:Prev/NextPage  Exit:RETURN
```

```
6. Memory Check Flash Data 3
              CD   SL   L0   L1
 VTS1         xx   xx   xx   xx









Up:PrevPage           Exit:RETURN
```

2-7. Changer Manual Move

On this test mode screen, selecting [7] enables the machine operation such as disc loading. The following screen appears.

Display when [7] is selected in the Drive Manual Operation

```
### Changer Manual Move ###
 ENTER  : Mecha Initial
 PLAY   : Loading In
 STOP   : Loading Out
 OP/CL  : Door Open/Close
 UP     : Poper Up
 DOWN   : Poper Down
 jogFOR : Table R StepTurn
 jogPRV : Table L StepTurn
 DISP   : Sensor Status


RETURN : Exit
```

[ENTER] : Performs initialization of mechanism deck.
Mecha Initial Because the mechanical initialization is performed when the machine enters the Drive Manual Operation mode, use this item when an error such as adjustment error occurs.

[PLAY] : Not used in this set.
Loading In

[STOP] : Not used in this set.
Loading Out

[OP/CL] : Opens and closes the door.
Door Open/Close
([⏏] key)

[UP] : Not used in this set.
Poper Up

[DOWN] : Not used in this set.
Poper Down

[jog FOR] : Not used in this set.
Table R step Turn

[jog PRV] : Not used in this set.
Table L step Turn

[DISP] : Not used in this set.
Sensor Status

2-8. Changer Mecha Check

Not used in this set.

3. Mecha Aging

The mechanism aging is not supported.

4. Emergency History

```
      ### EMG. History ###

Laser Hours
            CD          xxh xxm
            DVD         xxh xxm

01.00 00 00 00    00 00 00 00
   00 00 00 00    00 00 00 00
02.00 00 00 00    00 00 00 00
   00 00 00 00    00 00 00 00

Select : 1-9   Scroll : UP/DOWN
(1: Last EMG.)   Exit : RETURN
```

On the Test Mode Menu screen, selecting [4] displays the information such as servo emergency history. The history information from last "1" up to "10" can be scrolled with [↑] key or [↓] key. Also, specific information can be displayed by directly entering that number with the ten-key pad from [1] to [9].
The upper two lines display the laser ON total hours. Data below minutes are omitted.

Clearing History Information

◎ Clearing laser hours
Press [TOP MENU] and [CLEAR] keys in this order.
Both CD and DVD data are cleared.
◎ Clearing emergency history
Press [DISPLAY] and [CLEAR] keys in this order.
◎ Initializing setup data
Press [MENU] and [CLEAR] keys in this order.
The data have been initialized when "Set Up Initialized" message is displayed.
The EMG. History display screen will be restored soon.

5. Version Information

```
   ### Version Information ###

IF con     Ver:x.xxx(xxxx)

B/E        Ver:xxx xxx

F/E        Ver:xx


       Model    :DVP-NS9100ES(x)
       Region   :xxx(x)

Exit : RETURN
```

IF con : IC404 on the MAIN board
B/E : IC256 on the MAIN board
F/E : IC105 on the MAIN board

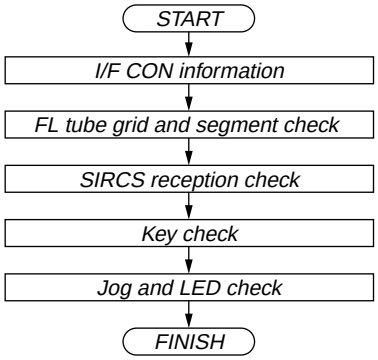
6. Video Level Adjustment

On the Test Mode Menu screen, selecting [6] displays color bars for video level adjustment. During display of color bars, OSD disappears but the menu screen will be restored if pressing the [RETURN] key.

DISPLAY SECTION

DISPLAY TEST MODE

Execute the Self Check Mode along the following flow.



1. Entering the Display Test Mode

The Display Test mode starts if either of the following conditions is satisfied.

Condition 1:

With the SELF_CHECK (pin ⑨⑦) of the IF CON (IC404) on the MAIN board kept "low", turn the power on.

Condition 2:

While pressing the ■ key on the set when the set is in standby state, press the RETURN → DISPLAY key on the remote commander and the mode transits to the Self Check mode.

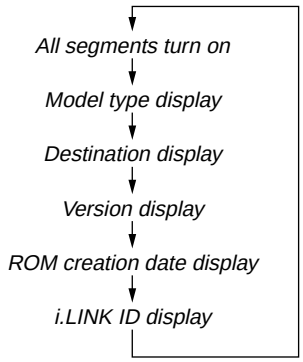
When the Self Check mode started, "TEST START" is displayed on the FL tube for 2 seconds and then the Self Check proceeds to the IF CON information display.

2. Releasing the Display Test Mode

To release the Self Check mode, disconnect the AC plug.

3. IF CON Information Display

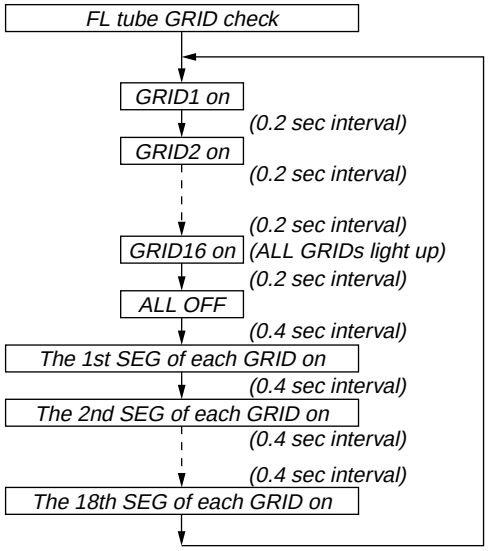
When enter this mode, it displays as follows.



If the ■ button is pressed, the test proceeds to the following FL tube GRID and SEGMENT check.

4. FL Tube Grid and Segment Check

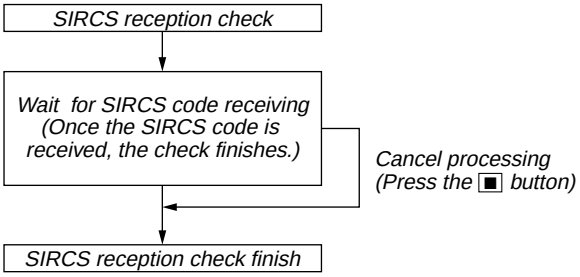
First, a grid lights up one after another, and when grid 16 lights up, all grids light up.
Next, all grids go off, and segments are displayed while changing the patterns.
A way of this display is repeated.
(The interval of grid lighting is 0.2 second, and that of segment lighting is 0.4 second.)



If the ■ button is pressed, the test proceeds to the following SIRCS reception check.

5. SIRCS Reception Check

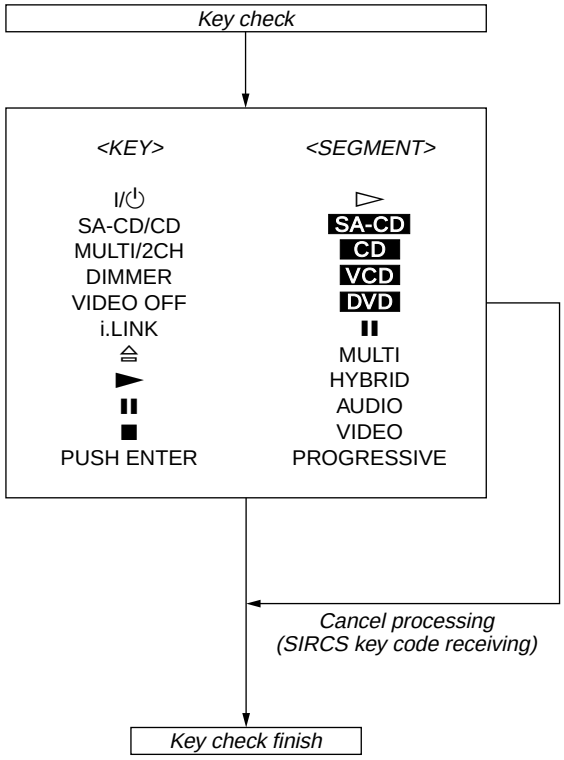
Upon start of the SIRCS reception check, "SIRCS CHECK" is displayed on the FL tube.
Once the SIRCS key code is received, the test proceeds to the following Key check.



If the ■ button is pressed as a cancel processing of the SIRCS reception check, the test proceeds to the following Key check.

6. Key Check

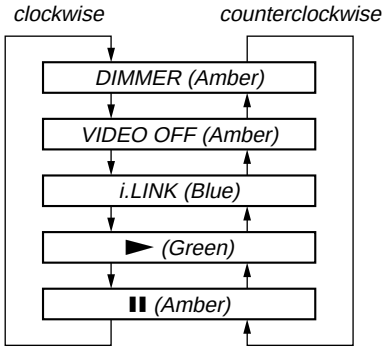
After the SIRCS reception check finished, the Key check is executed.
Upon start of the Key check, "KEY CHECK" is displayed on the FL tube.
11 keys are checked as described below.
Each time a key is pressed, the specified segment lights up, and at one second after all keys were pressed, all of FL tube go off and the Key check finishes.



If the SIRCS key code is received as a cancel processing of the Key check, the test proceeds to the following Jog and LED check.

7. Jog and LED Check

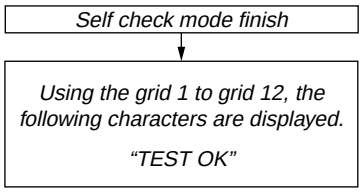
After the Key check finished, the Jog and LED check is executed as follows.
Upon start of the Jog and LED check, "JOG AND LED" is displayed on the FL tube.
There are six LEDs. The order in which the LEDs light up when the [I◄◄ ►►I] knob is turned as described below.



If the [■] button is pressed during the Jog and LED check, the Jog and LED check finishes and it displays result of the Display Test mode. (See next item)

8. Display Test Mode Result Indication

After the Jog and LED check finished, it displays result of Display Test mode.
At this time, even if a signal from a key on the set or remote commander is received, nothing changes.



At the SIRCS reception check, Key check, Jog and LED check, if you proceed to the next check without completing current check, the check name that has not completed yet is displayed instead of "TEST OK", as follows.

If SIRCS reception check has not completed (If JOG dial is pressed during SIRCS reception check)	"SIRCS NG"
If KEY check has not completed (If SIRCS key code is received during KEY check)	"KEY NG"
If JOG and LED check has not completed (If JOG dial is pressed without rotating JOG dial even once during JOG and LED check)	"JOG LED NG"

Also, if two or more checks have not completed yet

All three checks are erroneous	"SI KY JO NG"
Two checks are erroneous	"SI JO NG" "SI KY NG" " KY JO NG"

Each error is displayed at the fixed position of the FL tube (not left aligned), and the items that have completed are blank.

Note: The alphabets mentioned above denote the following checks.
SI : SIRCS reception check
KY : Key check
JO : Jog and LED check
NG : There are error items.

SECTION 6
ELECTRICAL ADJUSTMENTS

Instruments required:

1) Color monitor
2) Oscilloscope 1 or 2 phenomena, band width over 100 MHz, with delay mode
3) Remote commander
   RM-ASP003 (US, Canadian, Korean, Chinese)
   RM-ASP004 (AEP, UK, Russian)
4) CD reference disc
   YEDS-18 (3-702-101-01)
   PATD-012 (4-225-203-01)
5) DVD reference disc
   HLX-501 (J-6090-071-A) (dual layer) (NTSC)
   HLX-503 (J-6090-069-A) (single layer) (NTSC)
   HLX-504 (J-6090-088-A) (single layer) (NTSC)
   HLX-505 (J-6090-089-A) (dual layer) (NTSC)
   Note: Use the NTSC test disc also for PAL model.
6) SA-CD reference disc
   HLXA-509 (J-6090-090-A)
7) Extension Cable (J-2501-086-A)

6-1. AUTO SERVO ADJUSTMENT

After parts related to the servo circuit (DVD interface (IC105), CPU (IC256), motor driver (IC103), flash memory (IC253) so on) are replaced, re-adjusting the servo circuit is necessary. Select “ALL” at “Drive Auto Adjustment” (Refer to page 17 in TEST MODE) and adjust DVD-SL (single layer), CD and DVD-DL (dual layer).

6-2. ADJUSTMENT OF VIDEO SYSTEM

6-2-1. Video Level Adjustment

<Purpose>

This adjustment is made to satisfy the NTSC/PAL standard, and if not adjusted correctly, the brightness will be too large or small.

Mode	Video level adjustment in test mode
Signal	Color bars
Check point	VIDEO OUT connector (J502) (75 Ω terminated)
Instrument	Oscilloscope
Adjusting element	RV601
Specification	$1.0\ ^{+0.04}_{-0.02}$ Vp-p

Adjusting method:

1) In the Test Mode Menu, select the “6. Video Level Adjustment” so that color bars are generated.
2) Adjust the RV601 to attain $1.0\ ^{+0.04}_{-0.02}$ Vp-p.

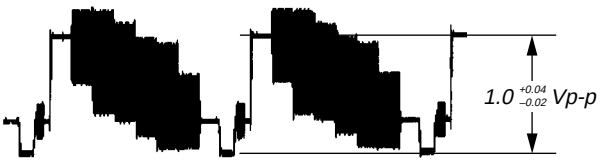


Fig. 6-1

6-2-2. Progressive Video Output Level Adjustment

<Purpose>

This adjusts progressive video output level. If it is incorrect, correct brightness will not be attained when connected to, for instance, projector.

Mode	Video level adjustment in test mode
Signal	Color bars
Check point	COMPONENT VIDEO OUT (Y) connector (J620) (75 Ω terminated)
Instrument	Oscilloscope
Adjusting element	RV600
Specification	$1.0\ ^{+0.04}_{-0.02}$ Vp-p

Adjusting method:

1) In the Test Mode Menu, select the “6. Video Level Adjustment” so that color bars are generated.
2) Adjust the RV600 to attain $1.0\ ^{+0.04}_{-0.02}$ Vp-p.

Fig. 6-2

6-2-3. Checking S Video Output S-Y

<Purpose>

Check S-terminal video output. If it is incorrect, pictures will not be displayed correctly in spite of connection to the monitor with a S-terminal cable.

Mode	Video level adjustment in test mode
Signal	Color bars
Check point	S VIDEO OUT (S-Y) connector (J501) (75 Ω terminated)
Instrument	Oscilloscope
Specification	1.0 ± 0.05 Vp-p

Checking method:

1) In the Test Mode Menu, select the “6. Video Level Adjustment” so that color bars are generated.
2) Confirm that the S-Y level is 1.0 ± 0.05 Vp-p.

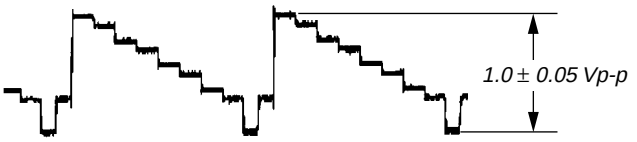


Fig. 6-3

6-2-4. Checking S Video Output S-C

<Purpose>

This checks whether the S-C satisfies the NTSC/PAL standard. If it is not correct, the colors will be to dark or light.

Mode	Video level adjustment in test mode
Signal	Color bars
Check point	S VIDEO OUT (S-C) connector (J501) (75 Ω terminated)
Instrument	Oscilloscope
Specification	A = 286 ± 30 mVp-p (NTSC) A = 300 ± 100 mVp-p (PAL)

Checking method:

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the S-C burst is "A".

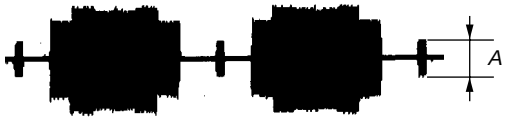


Fig. 6-4

6-2-5. Checking Component Video Output Y

<Purpose>

This checks component video output Y. If it is incorrect, correct brightness will not be attained when connected to, for instance, projector.

Mode	Video level adjustment in test mode
Signal	Color bars
Check point	COMPONENT VIDEO OUT (Y) connector (J620) (75 Ω terminated)
Instrument	Oscilloscope
Specification	1.0 ± 0.05 Vp-p

Checking method:

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the Y level is 1.0 ± 0.05 Vp-p.

Fig. 6-5

6-2-6. Checking Component Video Output B-Y

<Purpose>

This checks component video output B-Y. If it is incorrect, correct colors will not be displayed when connected to, for instance, projector.

Mode	Video level adjustment in test mode
Signal	Color bars
Check point	COMPONENT VIDEO OUT (P_B/C_B) connector (J660) (75 Ω terminated)
Instrument	Oscilloscope
Specification	700 ± 50 mVp-p

Checking method:

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the B-Y level is 700 ± 50 mVp-p.

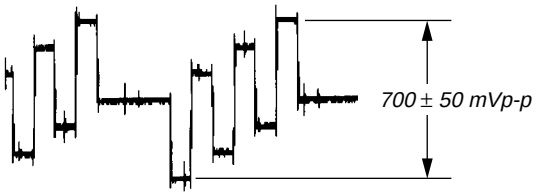


Fig. 6-6

6-2-7. Checking Component Video Output R-Y

<Purpose>

This checks component video output R-Y. If it is incorrect, correct colors will not be displayed when connected to, for instance, projector.

Mode	Video level adjustment in test mode
Signal	Color bars
Check point	COMPONENT VIDEO OUT (P_R/C_R) connector (J640) (75 Ω terminated)
Instrument	Oscilloscope
Specification	700 ± 50 mVp-p

Checking method:

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the R-Y level is 700 ± 50 mVp-p.

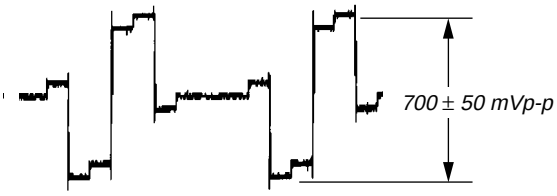
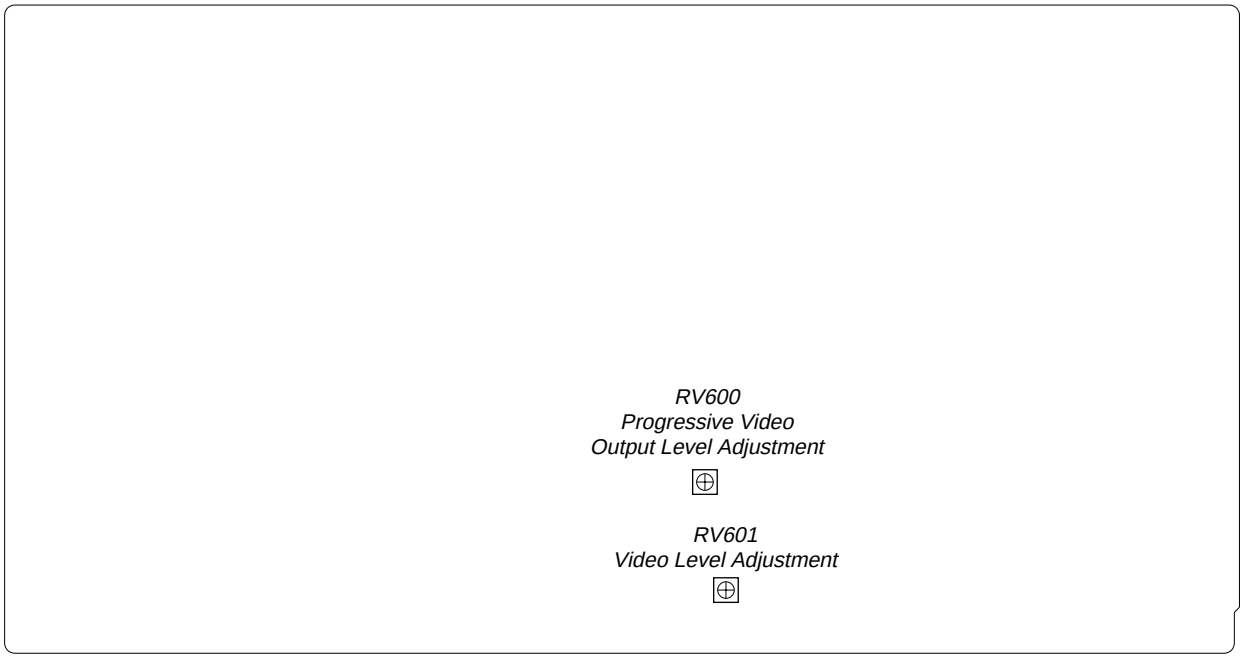


Fig. 6-7

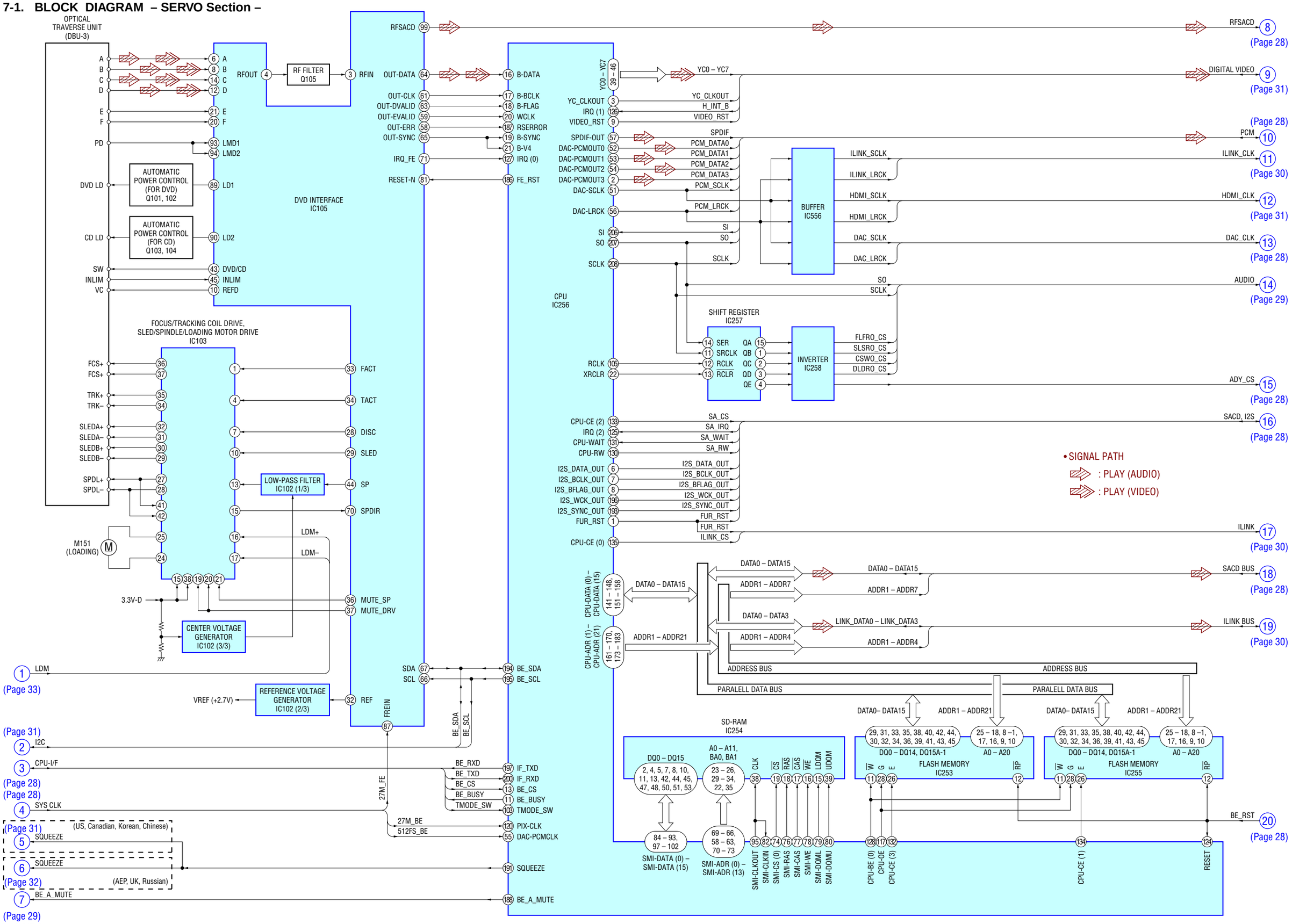
Adjustment Location:

– MAIN Board (Component Side) –

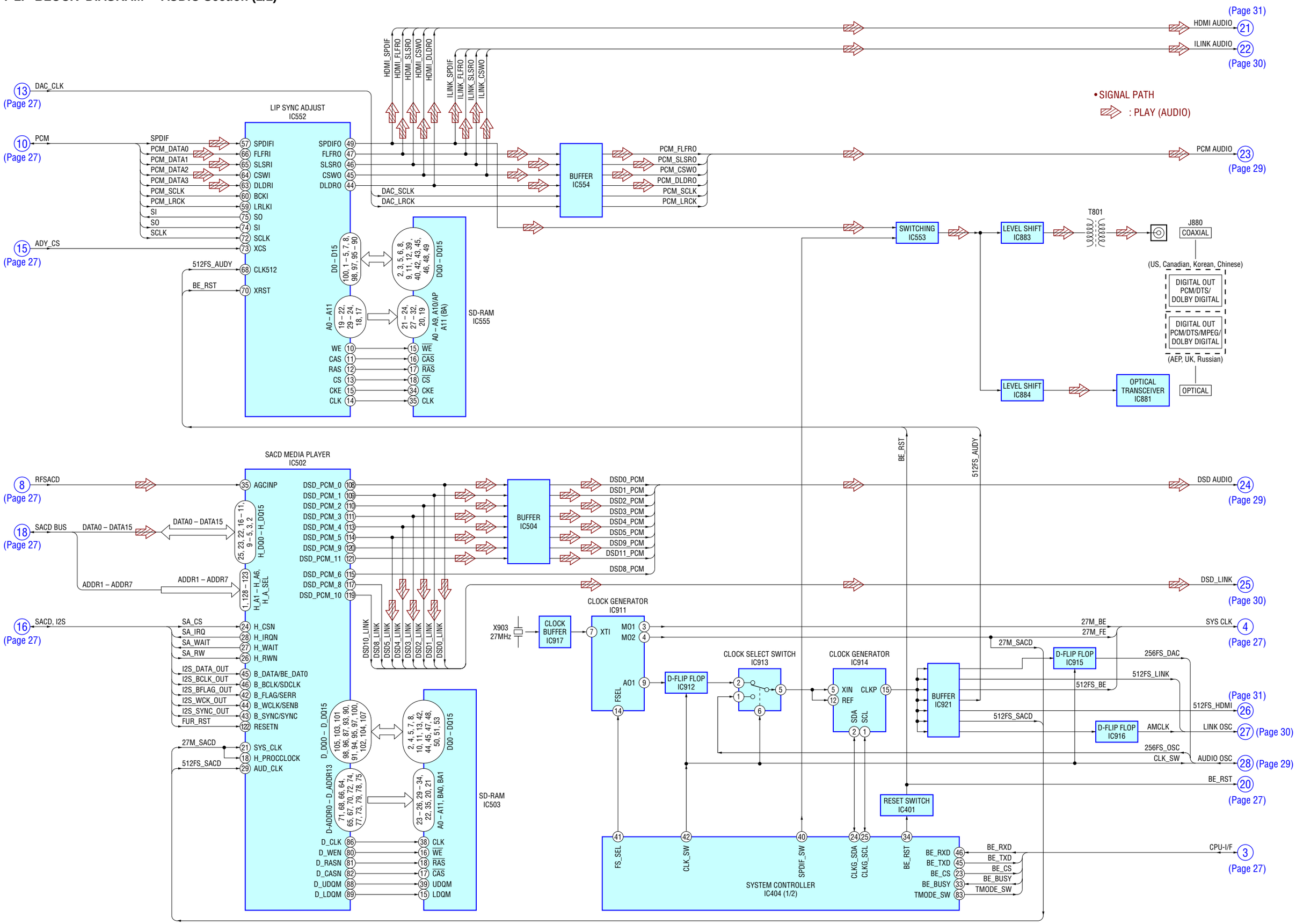


SECTION 7
DIAGRAMS

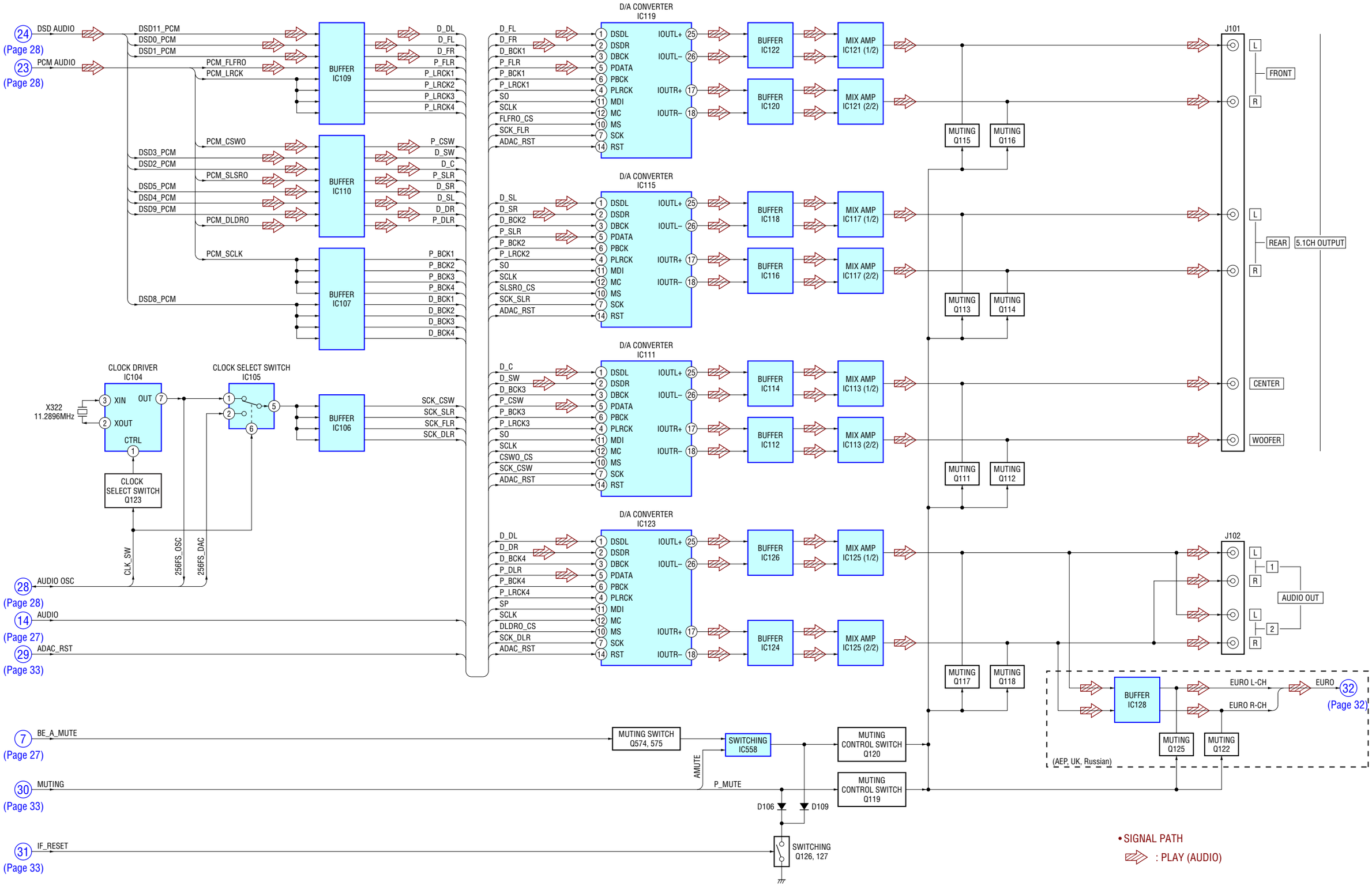
7-1. BLOCK DIAGRAM – SERVO Section –



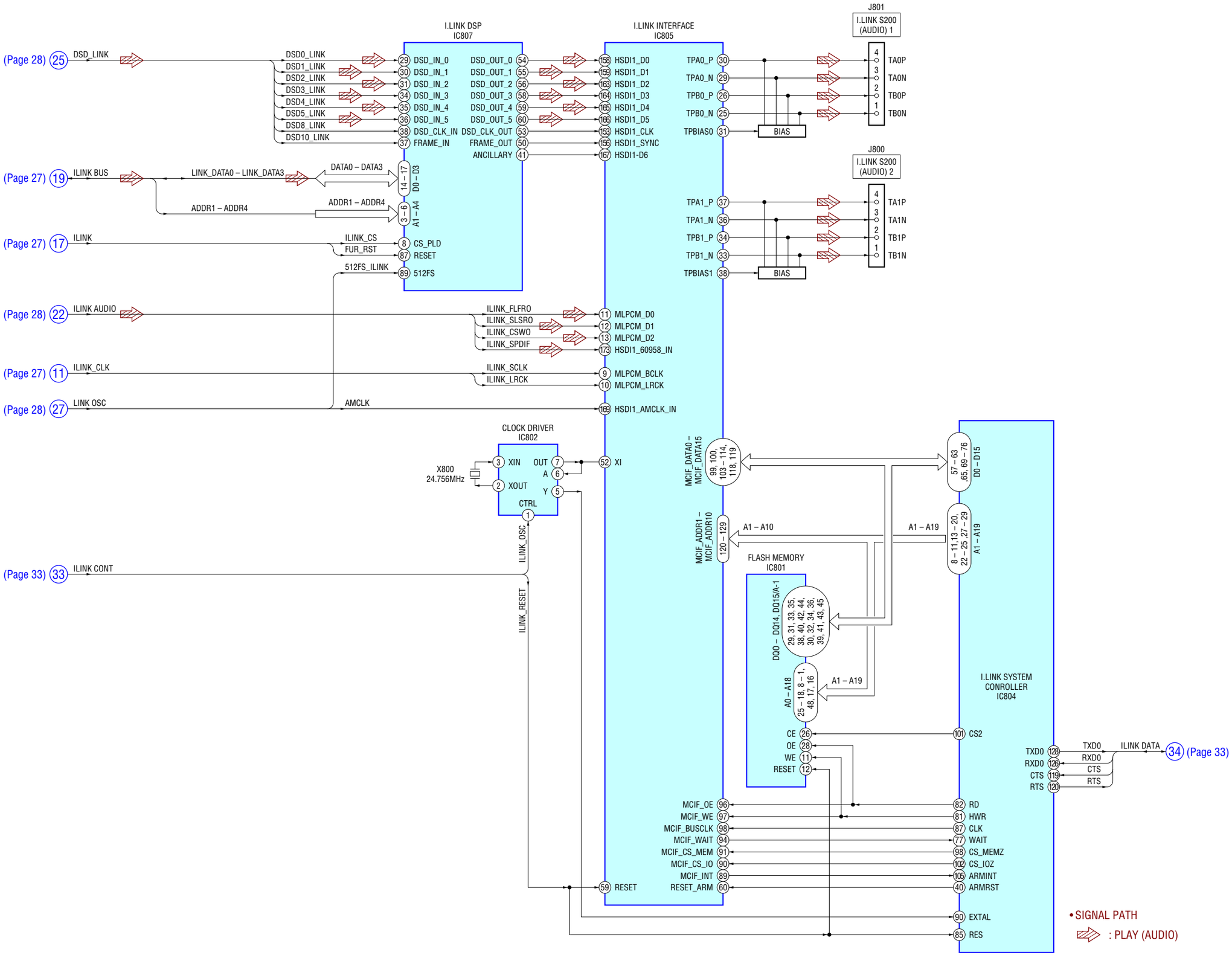
7-2. BLOCK DIAGRAM – AUDIO Section (1/2) –



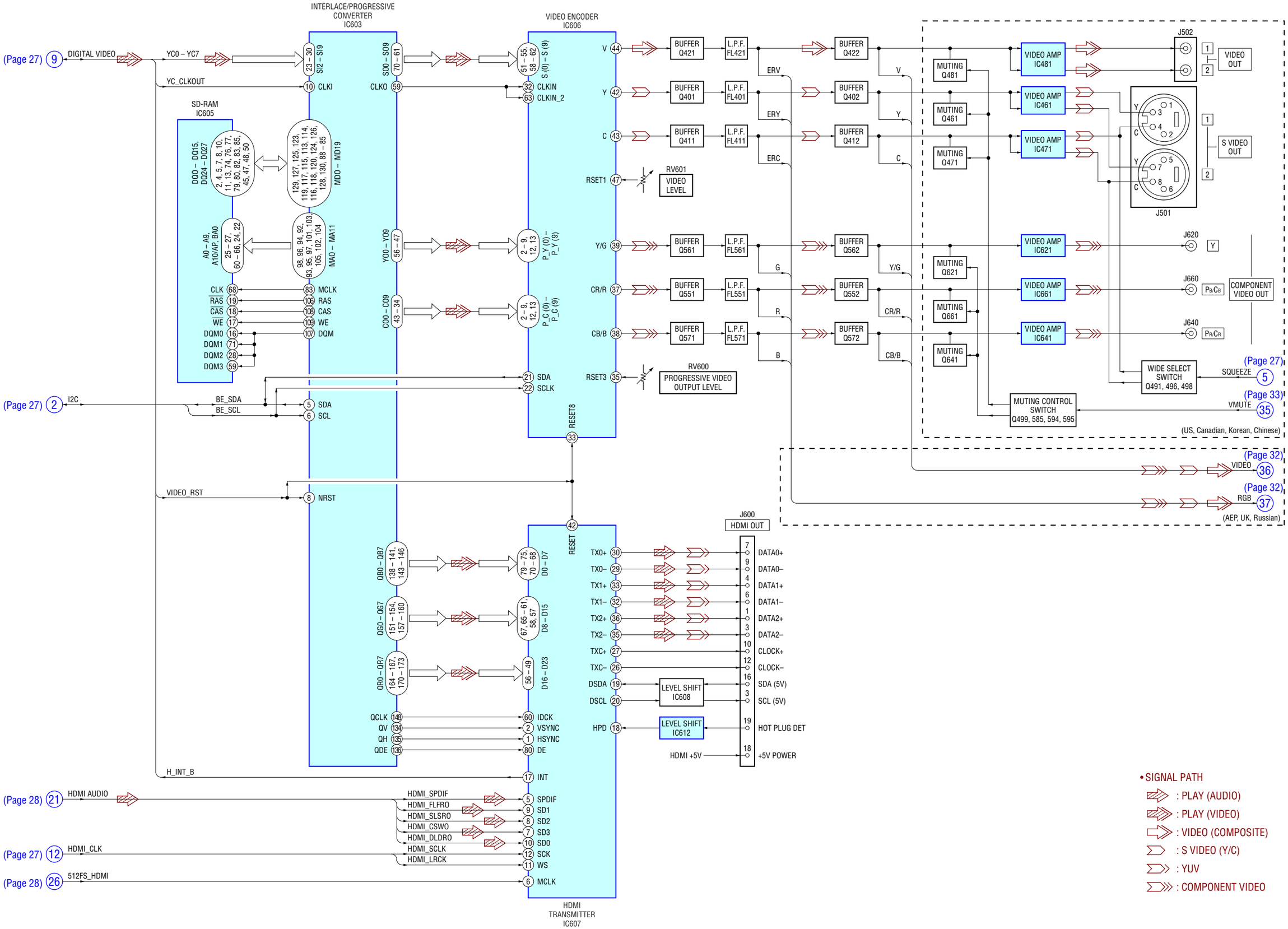
7-3. BLOCK DIAGRAM – AUDIO Section (2/2) –



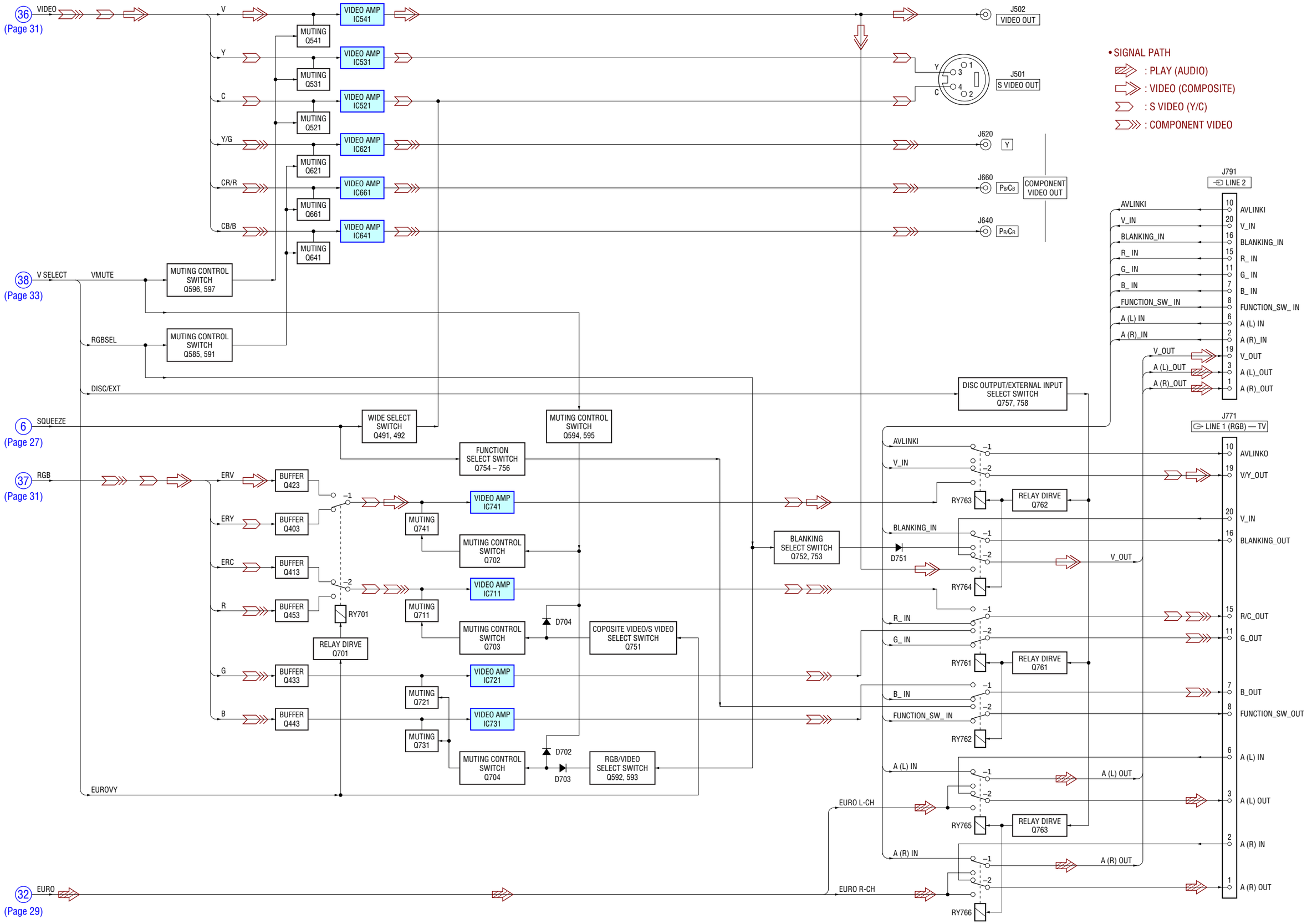
7-4. BLOCK DIAGRAM – I.LINK Section –



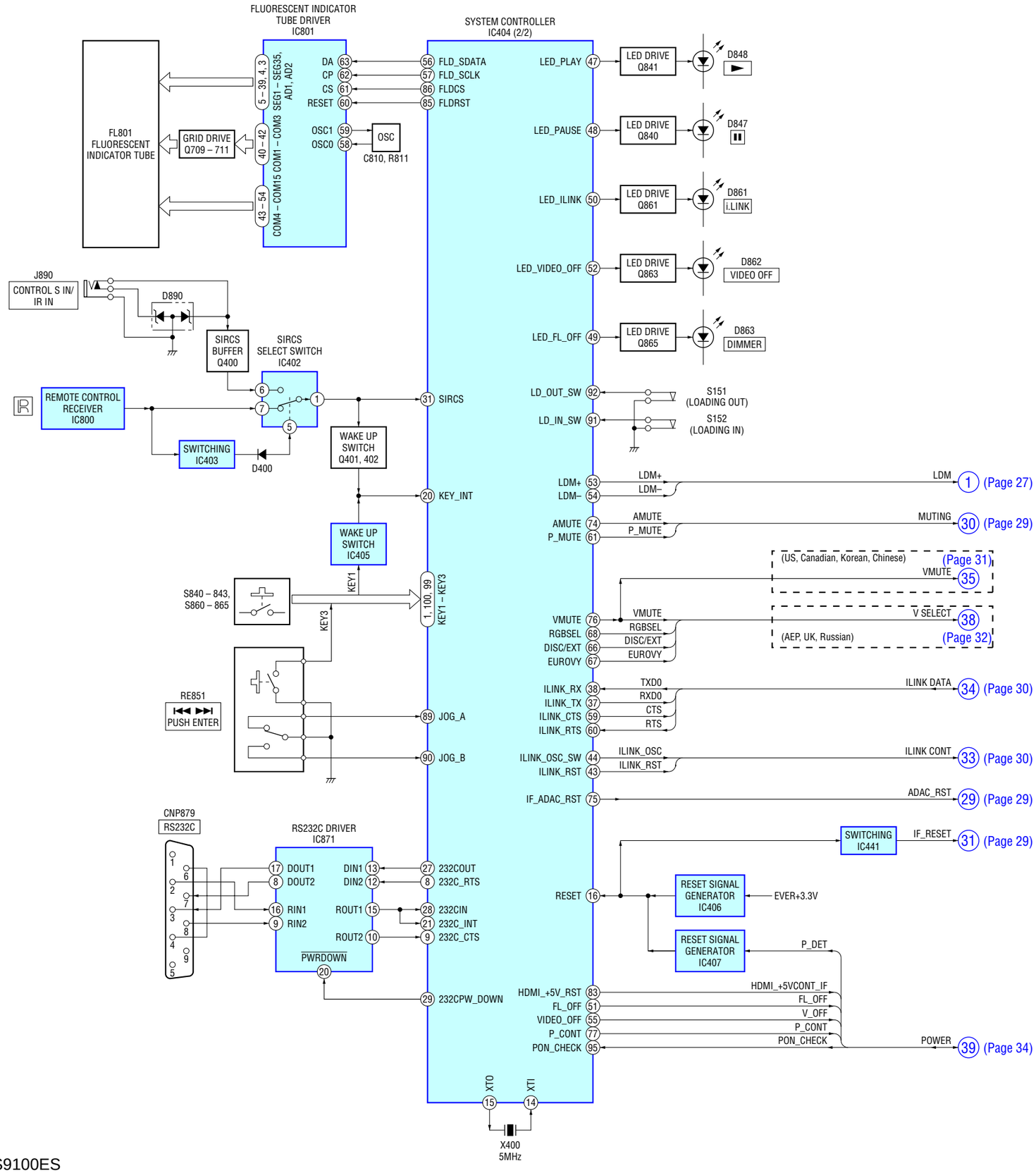
7-5. BLOCK DIAGRAM – VIDEO Section (1/2) –



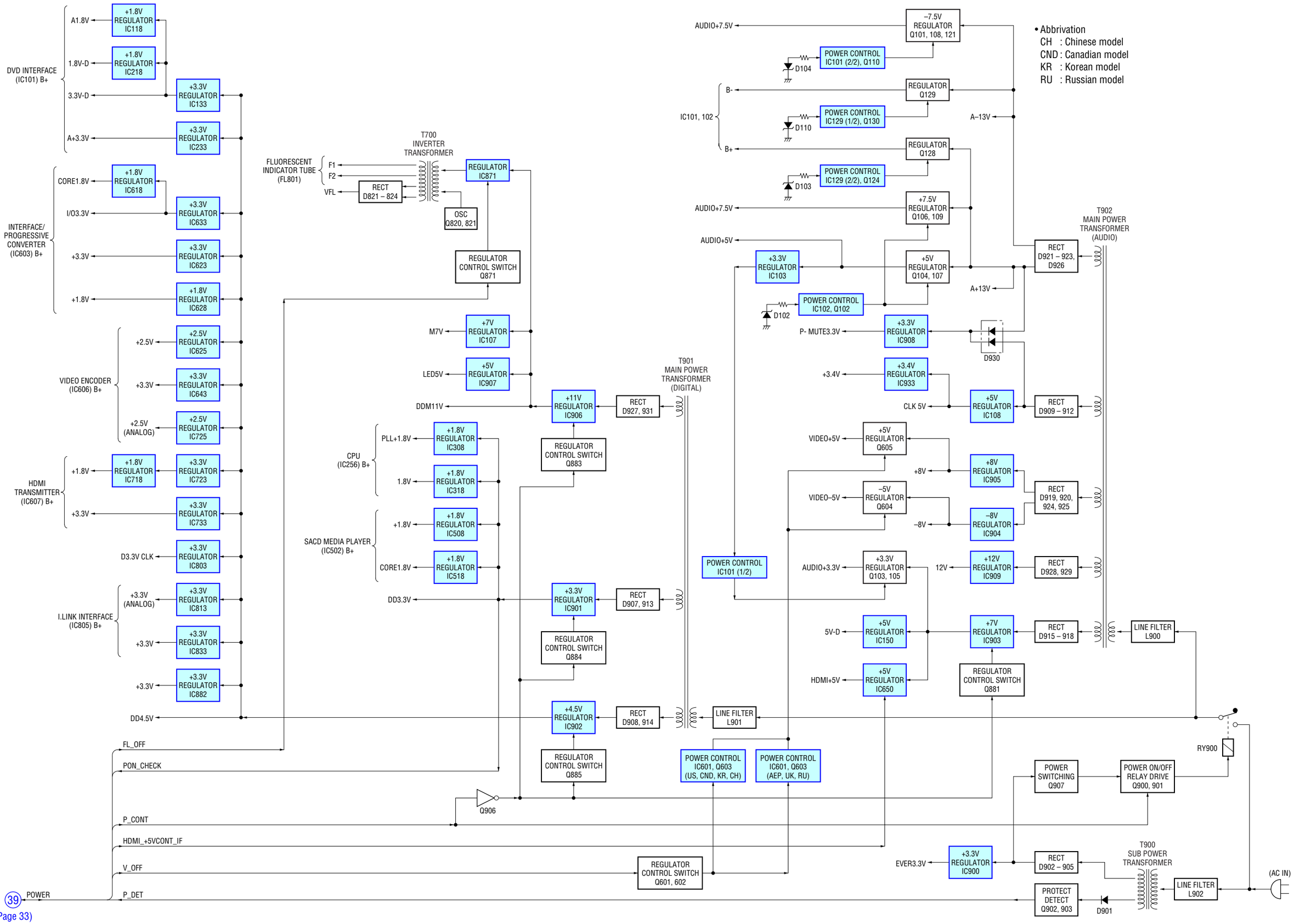
7-6. BLOCK DIAGRAM – VIDEO Section (2/2) – (AEP, UK, Russian models)



7-7. BLOCK DIAGRAM – PANEL Section –



7-8. BLOCK DIAGRAM – POWER SUPPLY Section –



• Note For Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

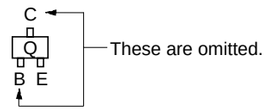
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ⊡← : indicates side identified with part number.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

- MAIN board and AUDIO board are multi-layer printed boards. However, the patterns of intermediate-layer have not been included in this diagrams.
- Indication of transistor



Note on Schematic Diagram:

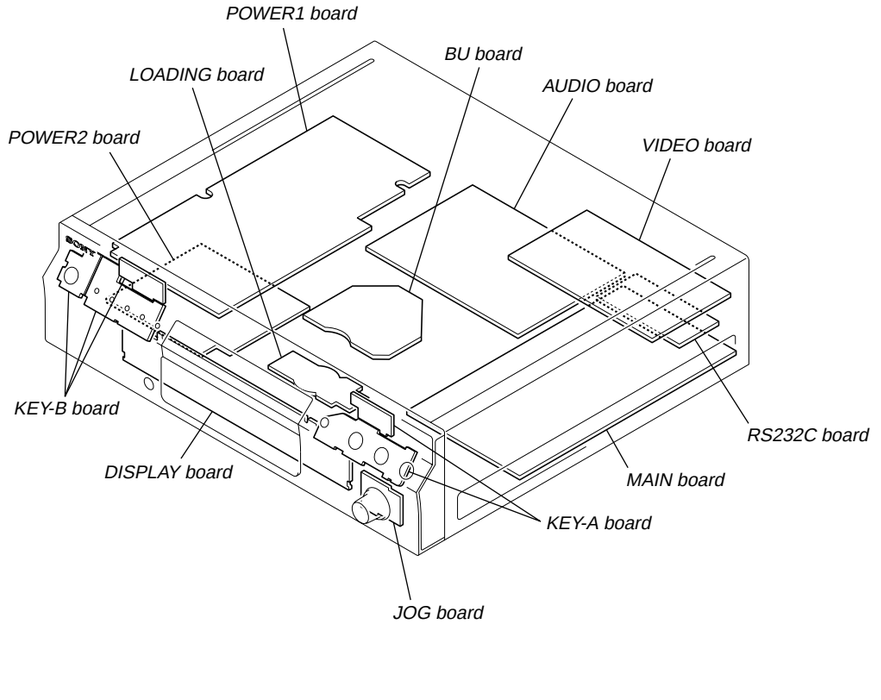
- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : fusible resistor.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

- ▬▬ : B+ Line.
- ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD PLAY
  ( ) : SA-CD PLAY
  [ ] : CD PLAY
  〈〈 〉〉 : DVD PLAY (I.LINK ON)
  ＊ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : PLAY (AUDIO)
  ⇛ : PLAY (VIDEO)
  ⇨ : VIDEO (COMPOSITE)
  : S VIDEO (Y/C)
  : YUV
  : COMPONENT VIDEO
- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  RU : Russian model

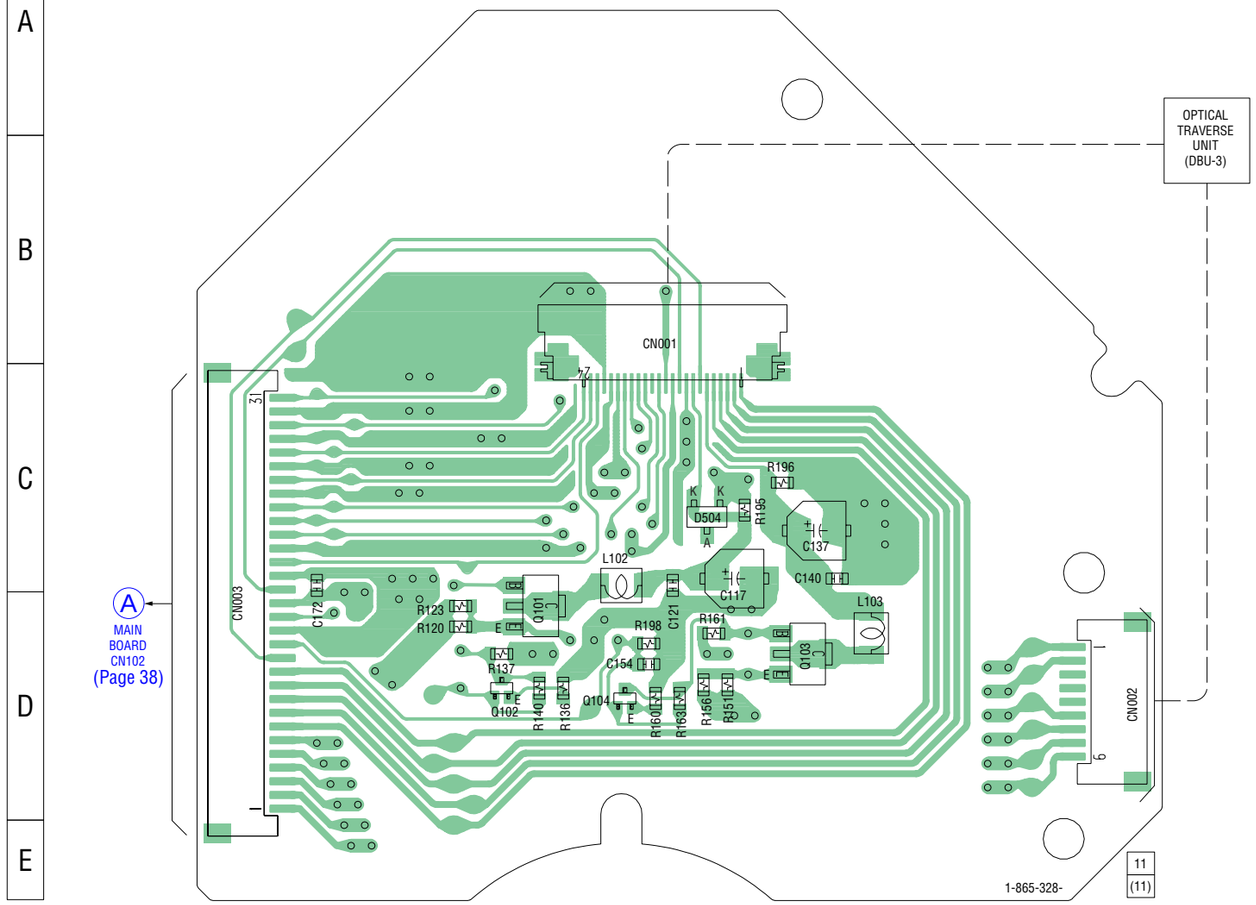
• Circuit Boards Location



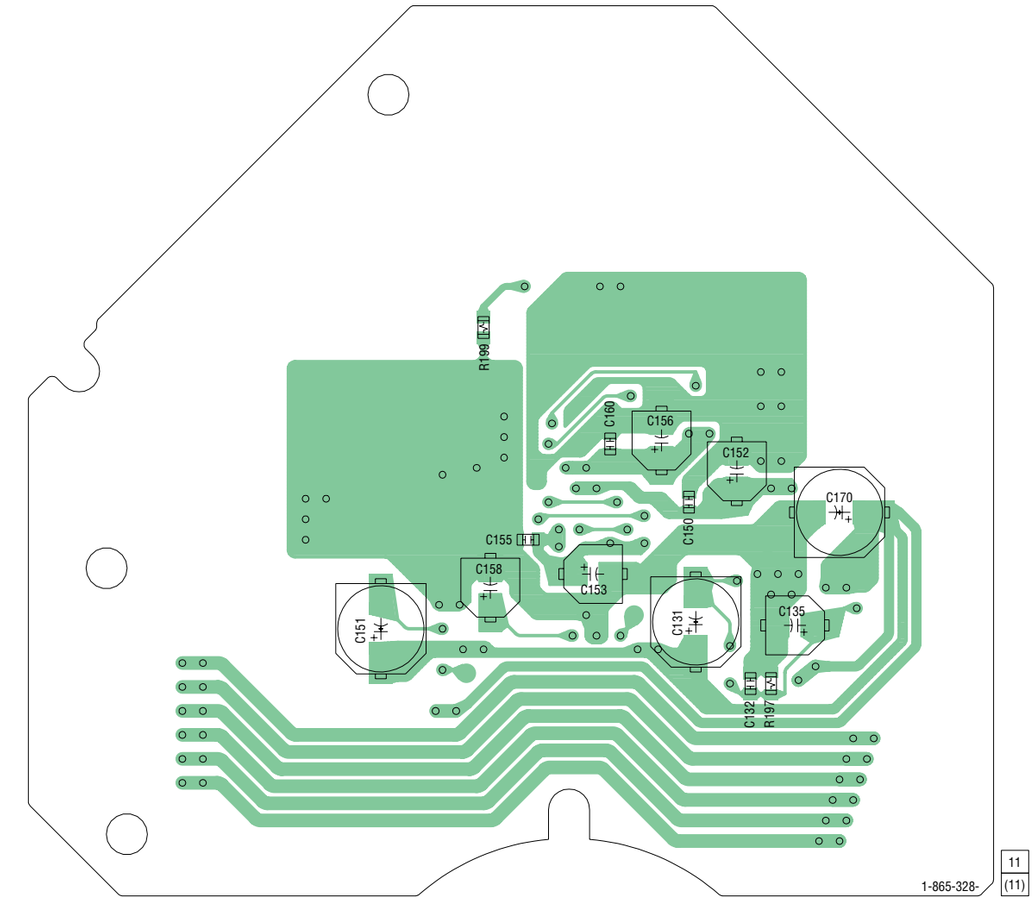
7-9. PRINTED WIRING BOARD – BU Board –

• See page 35 for Circuit Boards Location. : Uses unleaded solder.

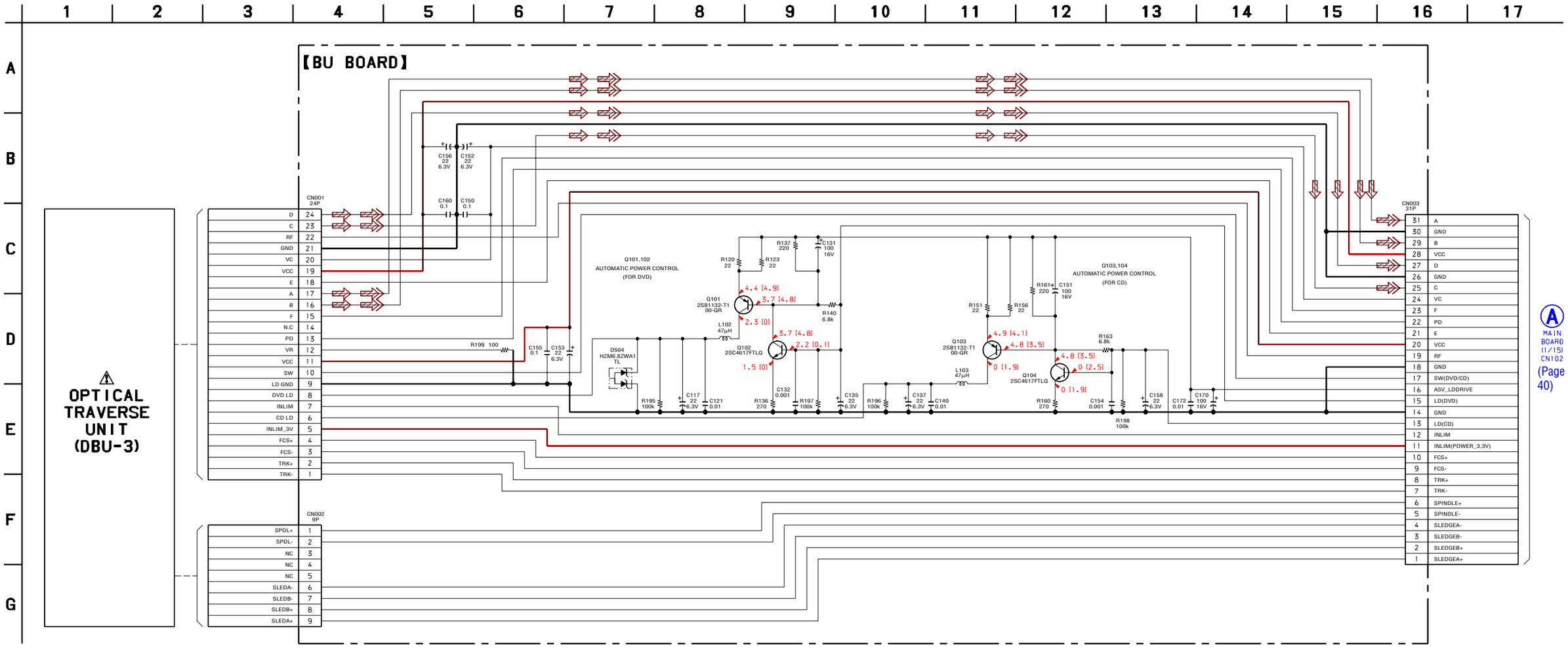
【BU BOARD】(SIDE A)



【BU BOARD】(SIDE B)



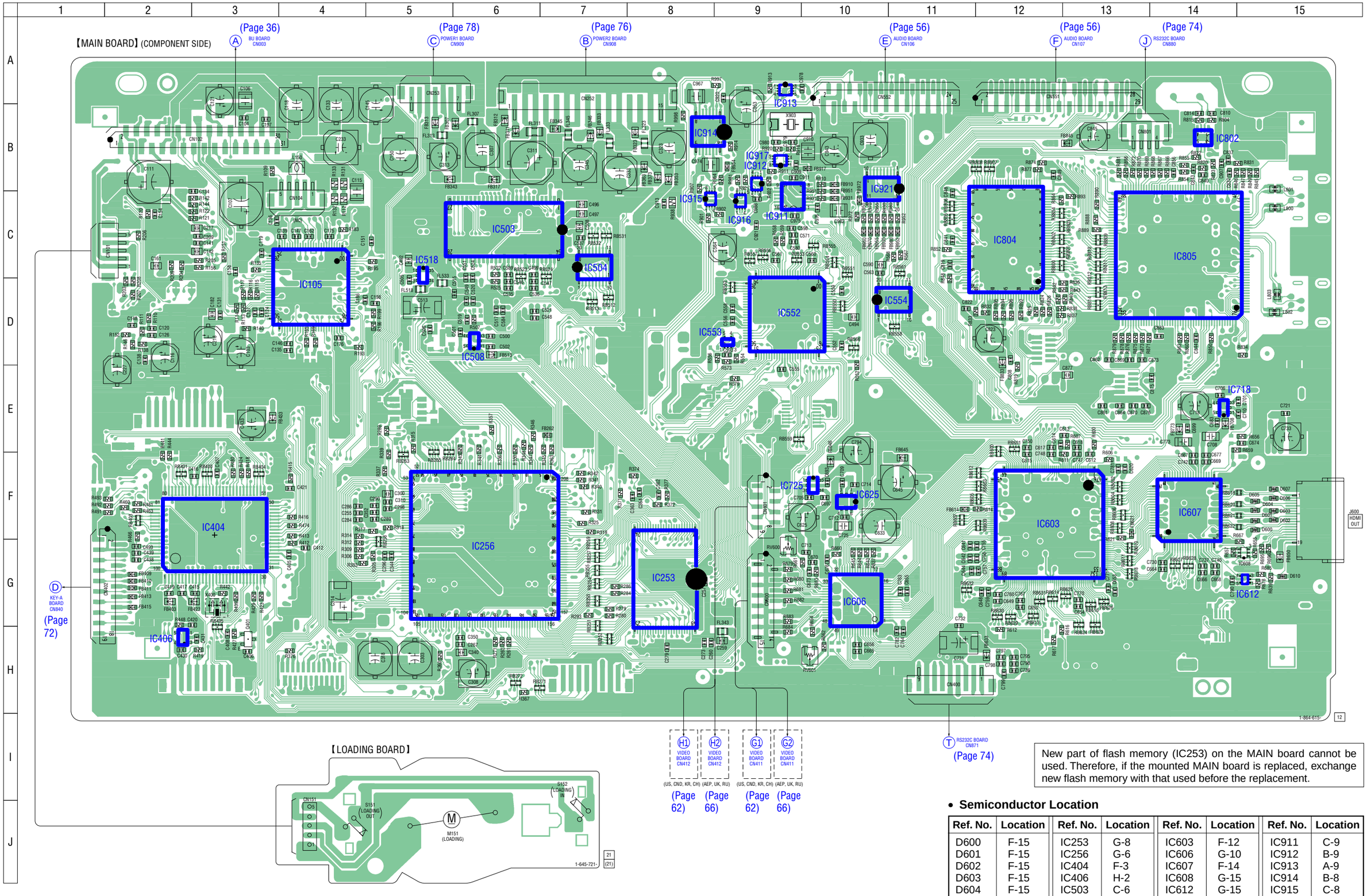
7-10. SCHEMATIC DIAGRAM – BU Board –



7-11. PRINTED WIRING BOARDS – MAIN Section (1/2) –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.



New part of flash memory (IC253) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

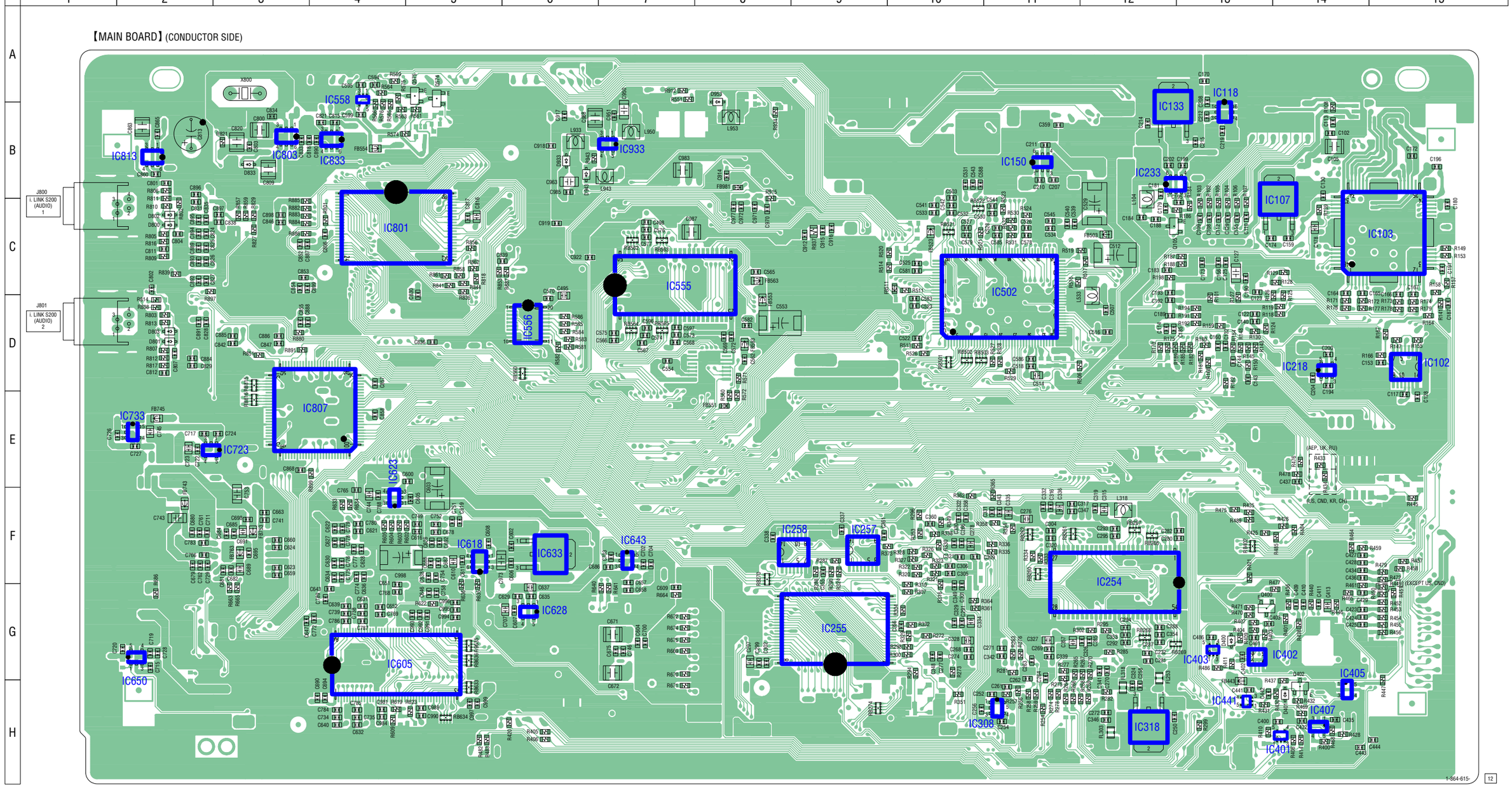
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D600	F-15	IC253	G-8	IC603	F-12	IC911	C-9
D601	F-15	IC256	G-6	IC606	G-10	IC912	B-9
D602	F-15	IC404	F-3	IC607	F-14	IC913	A-9
D603	F-15	IC406	H-2	IC608	G-15	IC914	B-8
D604	F-15	IC503	C-6	IC612	G-15	IC915	C-8
D605	F-15	IC504	C-7	IC625	F-10	IC916	C-9
D606	F-15	IC508	D-6	IC718	E-14	IC917	B-9
D607	F-15	IC518	C-5	IC725	F-10	IC921	B-10
D610	G-15	IC552	D-9	IC802	B-14		
		IC553	D-9	IC804	C-12	Q401	H-3
IC105	D-4	IC554	D-11	IC805	C-14		

7-12. PRINTED WIRING BOARD – MAIN Section (2/2) –

• See page 35 for Circuit Boards Location. : Uses unleaded solder.

【MAIN BOARD】(CONDUCTOR SIDE)



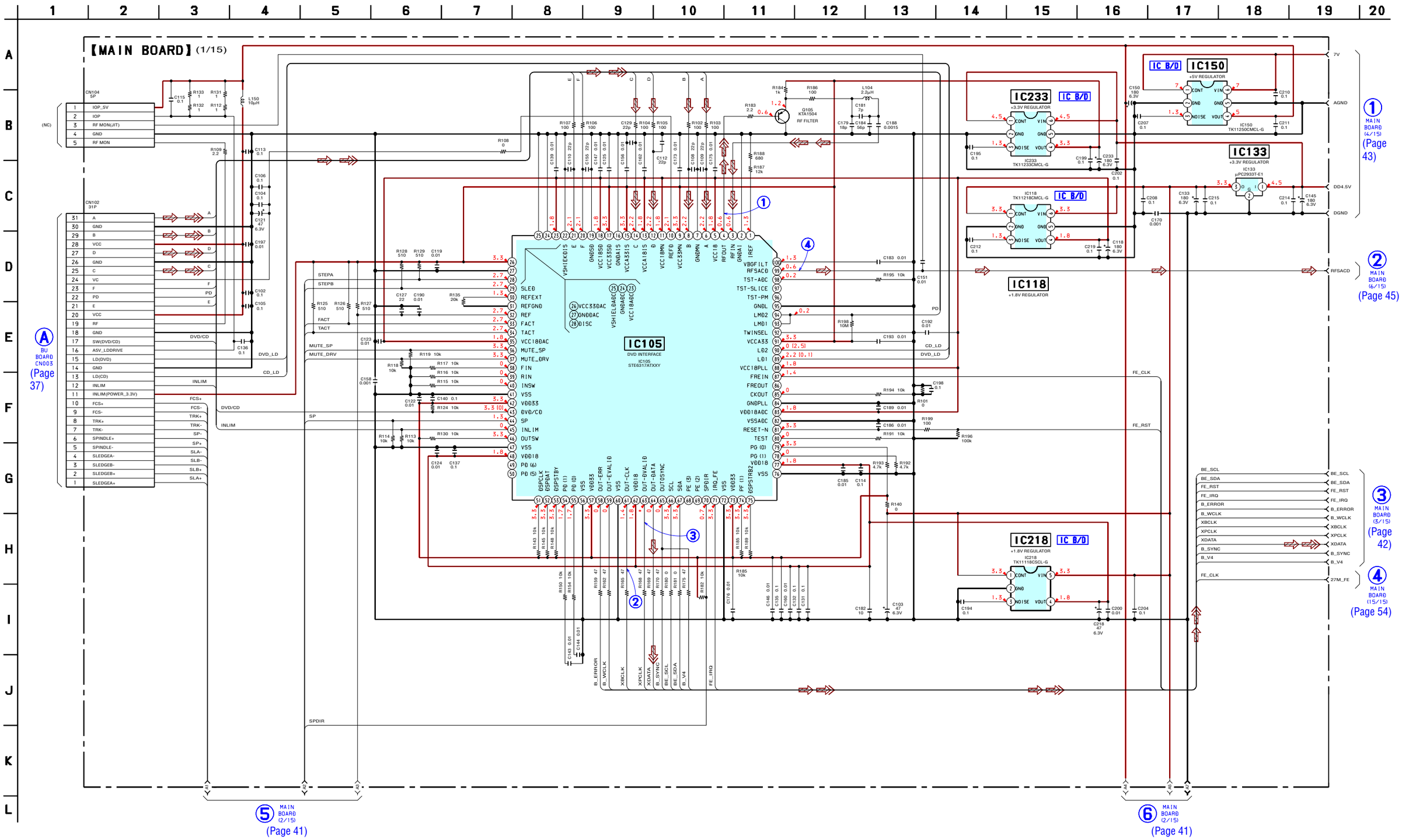
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D400	G-13	IC103	C-15	IC318	H-12	IC618	F-5	IC833	B-4
D401	H-14	IC107	C-14	IC401	H-14	IC623	F-4	IC933	B-7
D800	C-2	IC118	B-13	IC402	G-13	IC628	G-6		
D801	D-2	IC133	B-12	IC403	G-13	IC633	F-6	Q105	C-12
D802	C-2	IC150	B-11	IC405	H-14	IC643	F-7	Q400	G-13
D803	D-2	IC218	D-14	IC407	H-14	IC650	G-2	Q402	H-14
D833	B-3	IC233	B-12	IC441	H-13	IC723	E-2	Q574	A-5
D933	B-6	IC254	F-12	IC502	D-11	IC733	E-2	Q575	A-5
D943	B-6	IC255	G-9	IC555	C-7	IC801	C-4		
D953	A-8	IC257	F-9	IC556	D-6	IC803	B-3		
		IC258	F-9	IC558	A-4	IC807	E-4		
IC102	D-15	IC308	H-11	IC605	G-4	IC813	B-2		

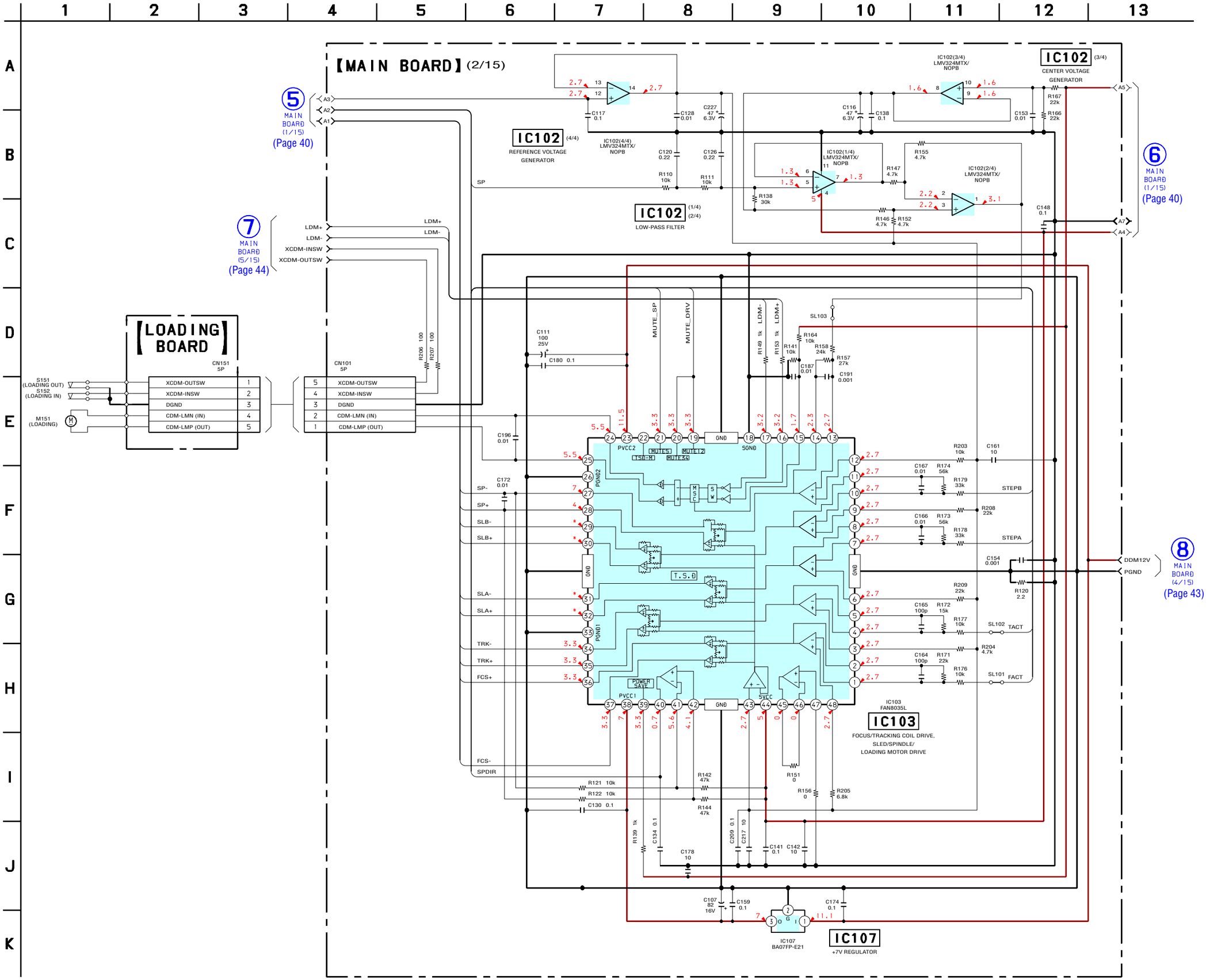
New part of flash memory (IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

7-13. SCHEMATIC DIAGRAM – MAIN Section (1/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

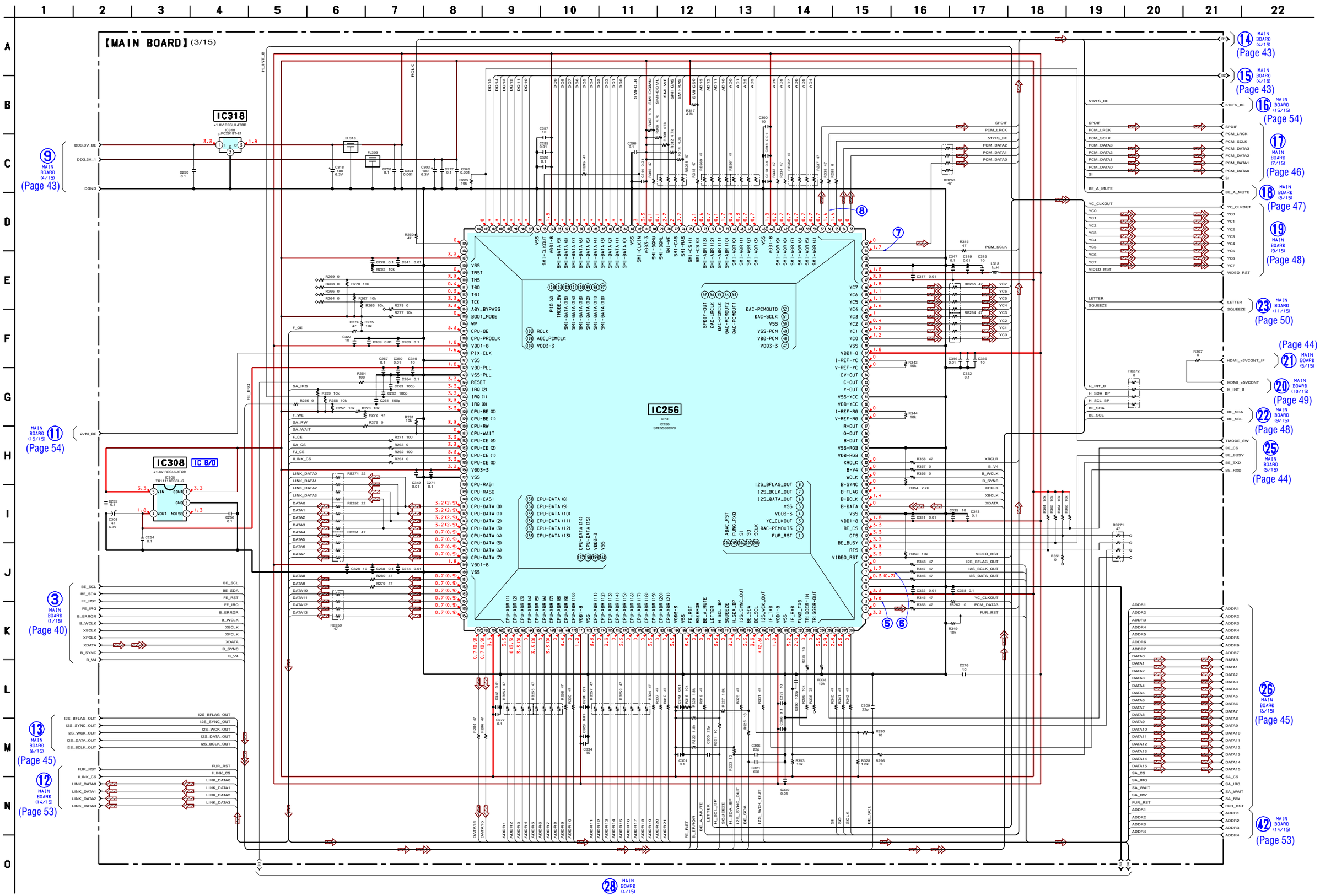


7-14. SCHEMATIC DIAGRAM – MAIN Section (2/15) –

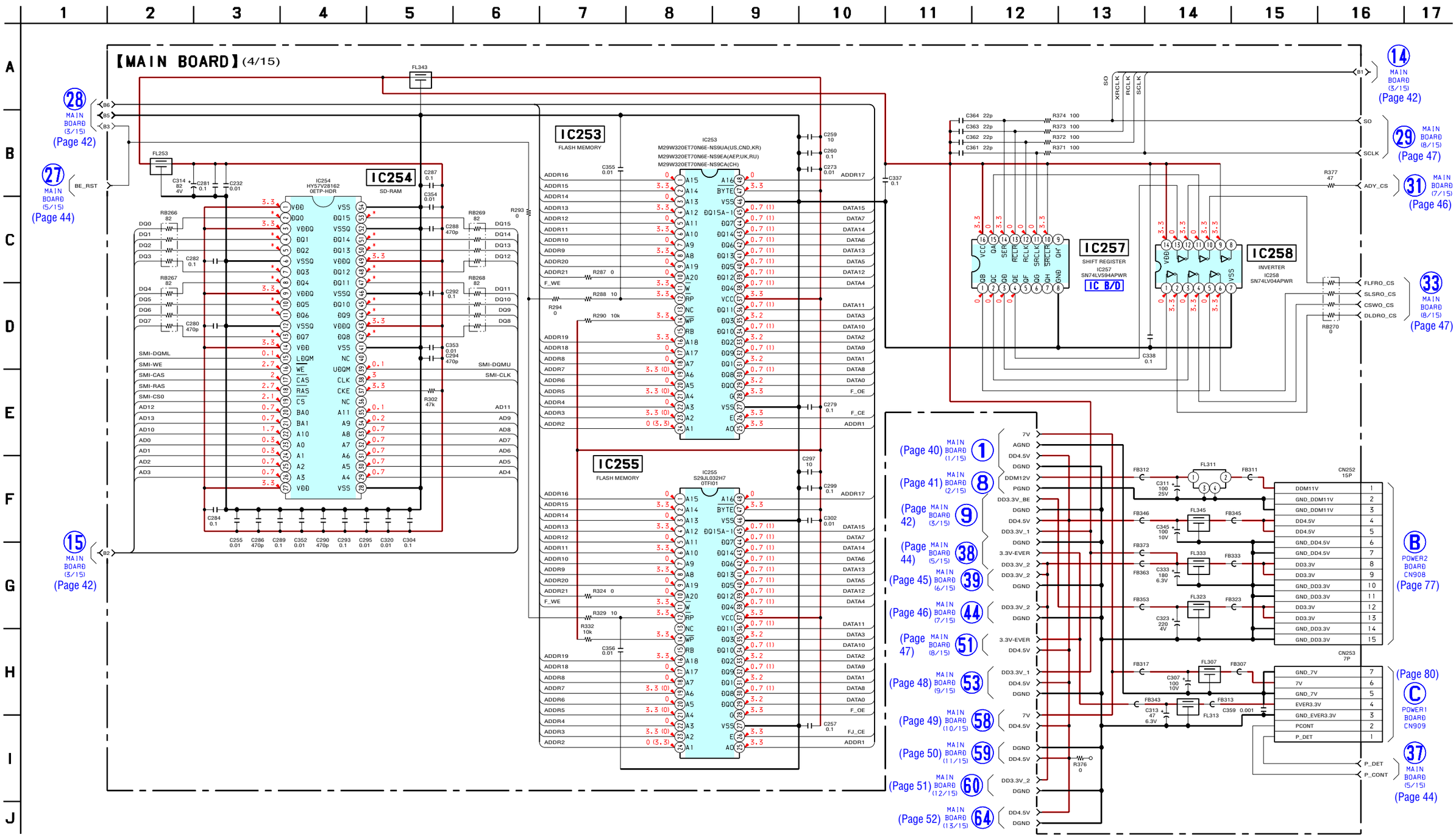


7-15. SCHEMATIC DIAGRAM – MAIN Section (3/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.


【MAIN BOARD】(3/15)
IC318
IC256
IC308
IC 8/0
9 MAIN BOARD (4/15) (Page 43)
11 MAIN BOARD (15/15) (Page 54)
3 MAIN BOARD (1/15) (Page 40)
13 MAIN BOARD (6/15) (Page 45)
12 MAIN BOARD (14/15) (Page 53)
28 MAIN BOARD (4/15) (Page 43)
14 MAIN BOARD (4/15) (Page 43)
15 MAIN BOARD (4/15) (Page 43)
16 MAIN BOARD (15/15) (Page 54)
17 MAIN BOARD (7/15) (Page 46)
18 MAIN BOARD (8/15) (Page 47)
19 MAIN BOARD (9/15) (Page 48)
23 MAIN BOARD (11/15) (Page 50)
21 MAIN BOARD (5/15) (Page 44)
20 MAIN BOARD (10/15) (Page 49)
22 MAIN BOARD (9/15) (Page 48)
25 MAIN BOARD (Page 44)
26 MAIN BOARD (6/15) (Page 45)
42 MAIN BOARD (14/15) (Page 53)

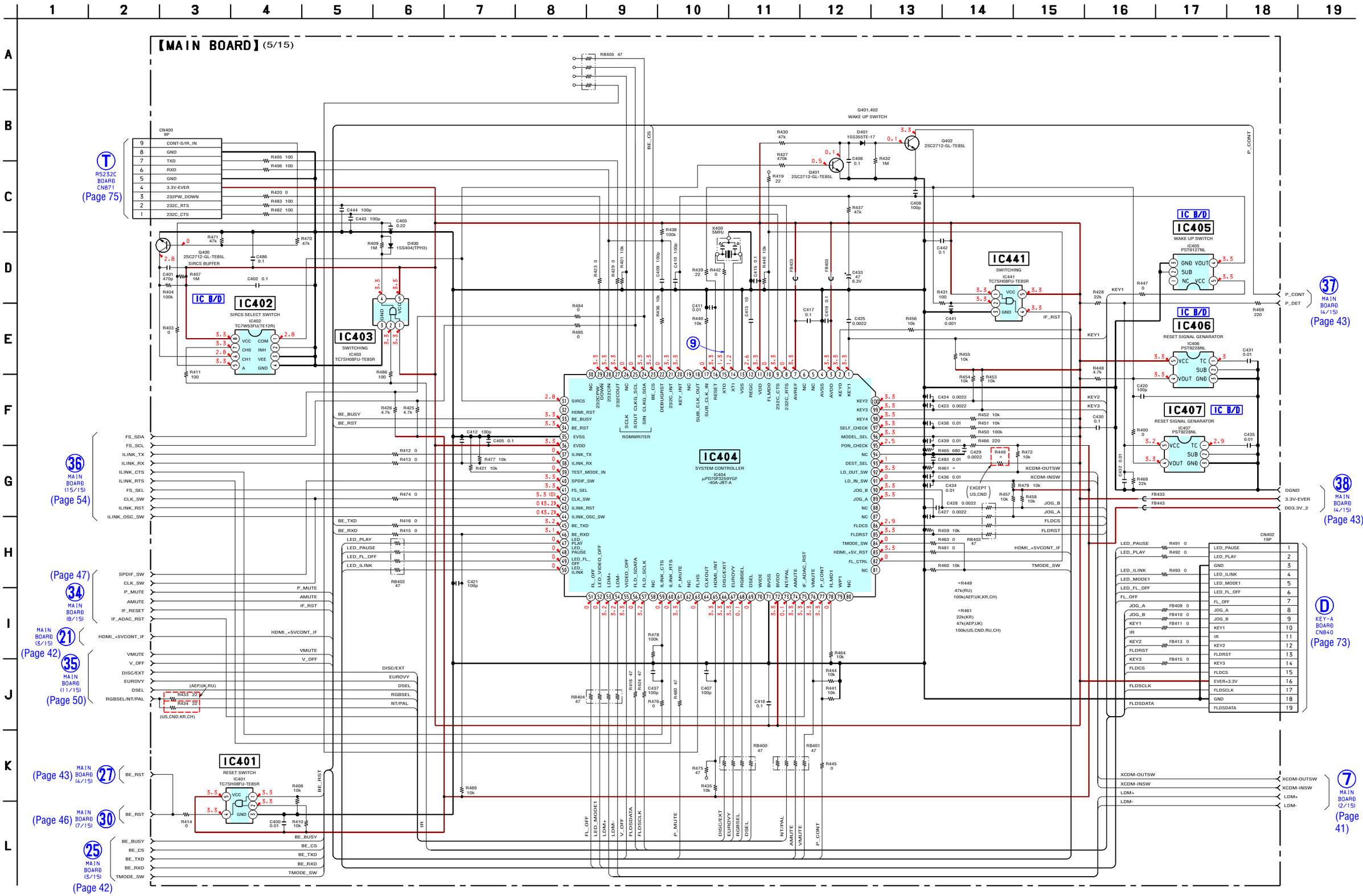
7-16. SCHEMATIC DIAGRAM – MAIN Section (4/15) – • See page 82 for IC Block Diagrams.



New part of flash memory (IC253) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

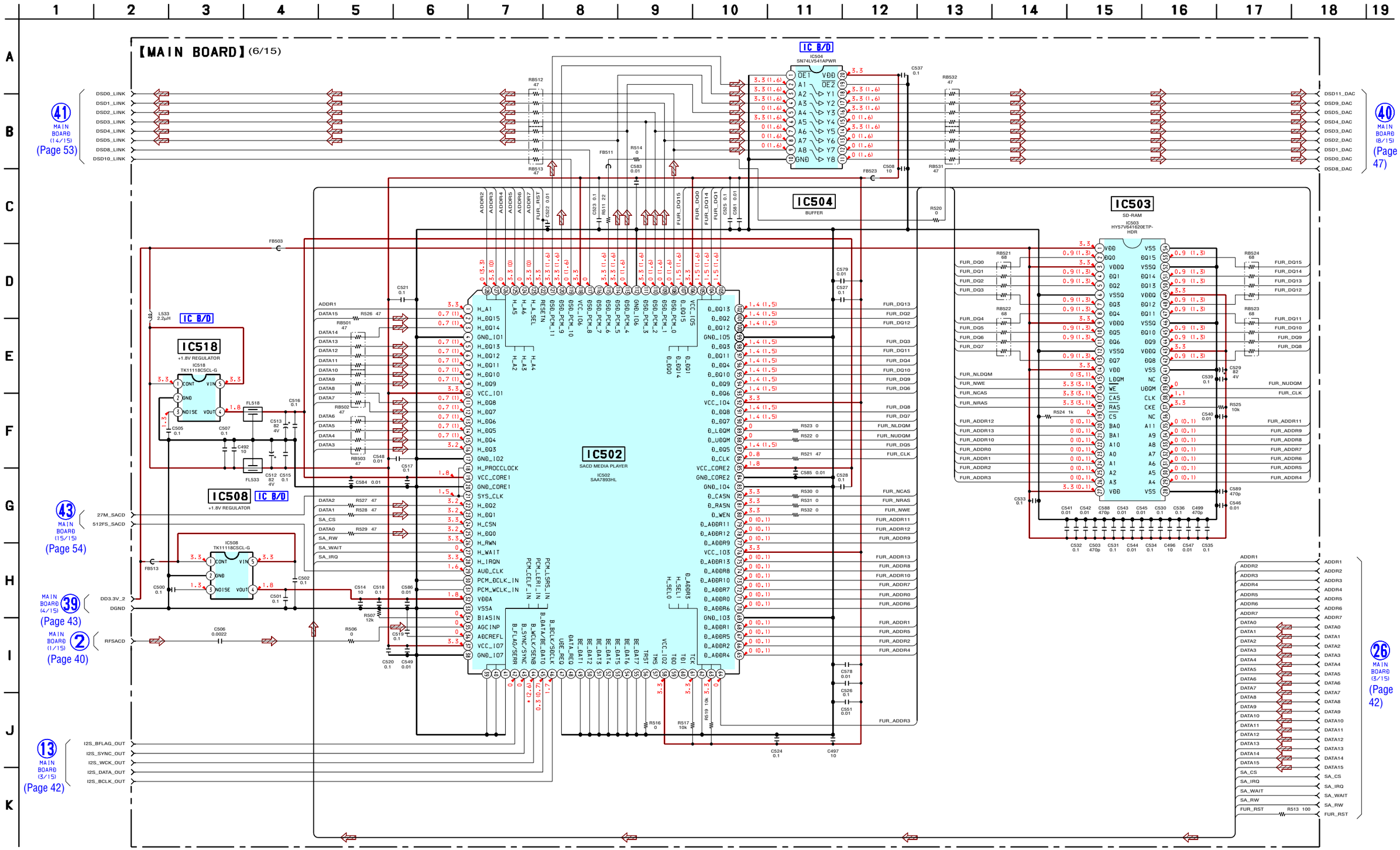
7-17. SCHEMATIC DIAGRAM – MAIN Section (5/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.



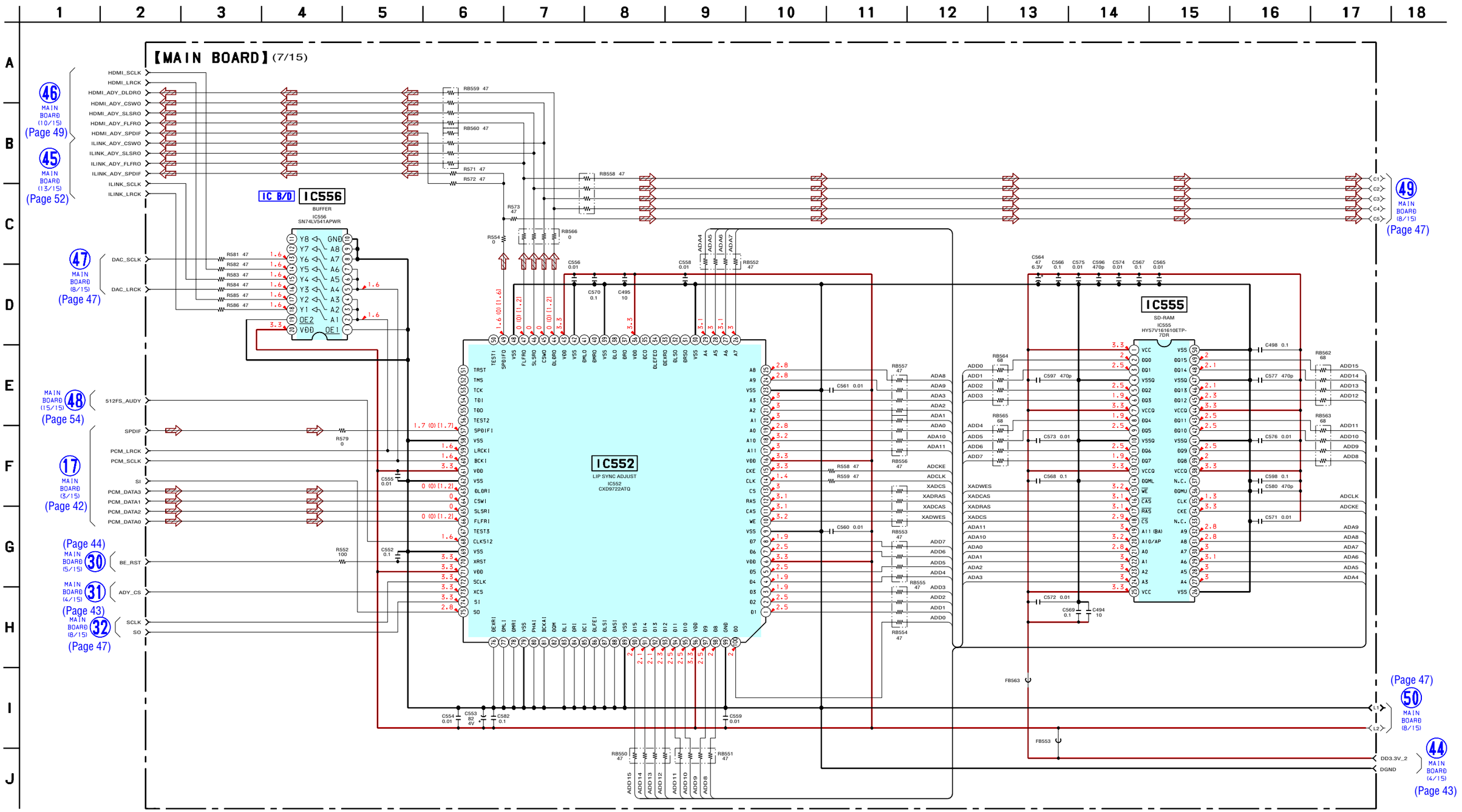
7-18. SCHEMATIC DIAGRAM – MAIN Section (6/15) –

• See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

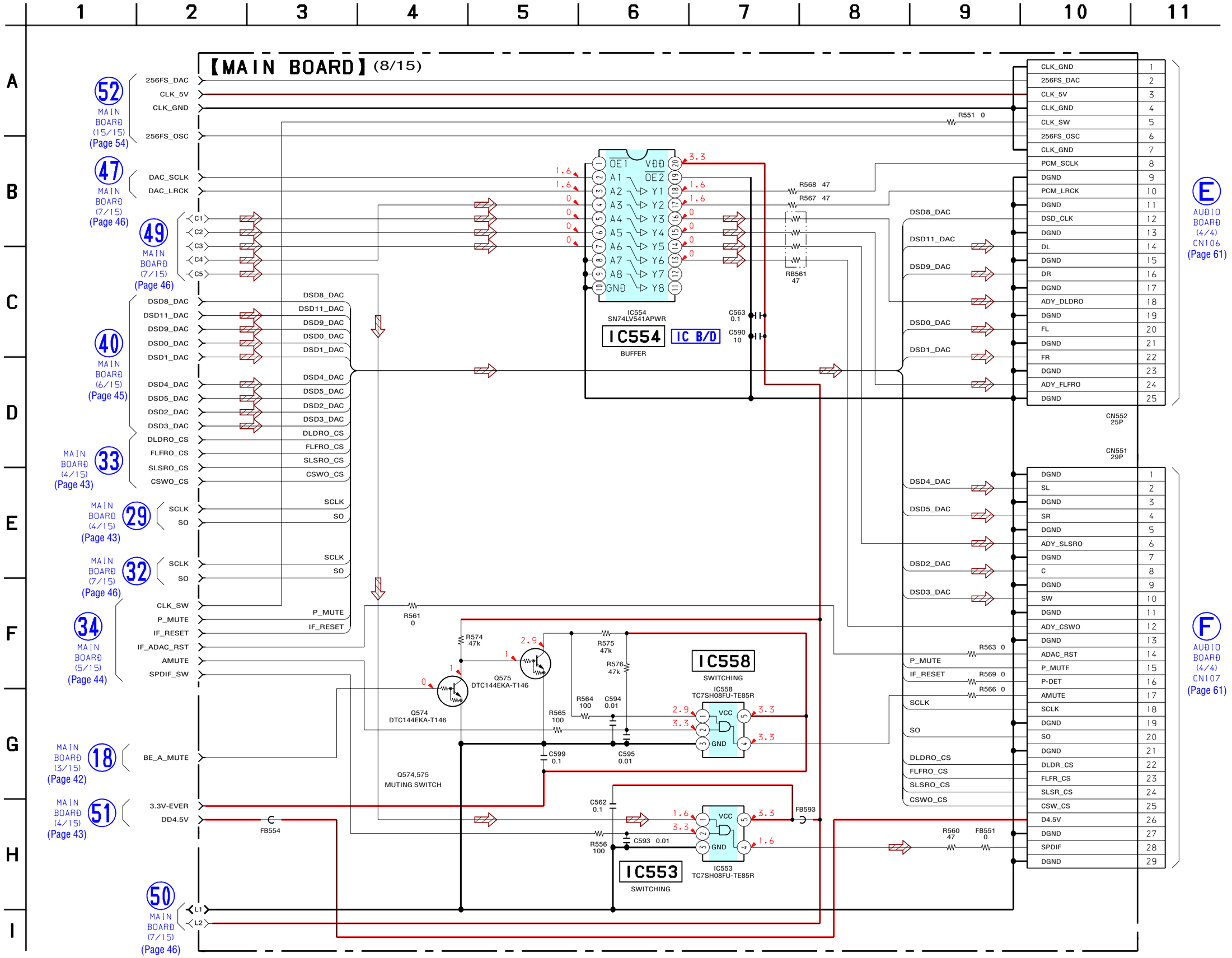


7-19. SCHEMATIC DIAGRAM – MAIN Section (7/15) –

• See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

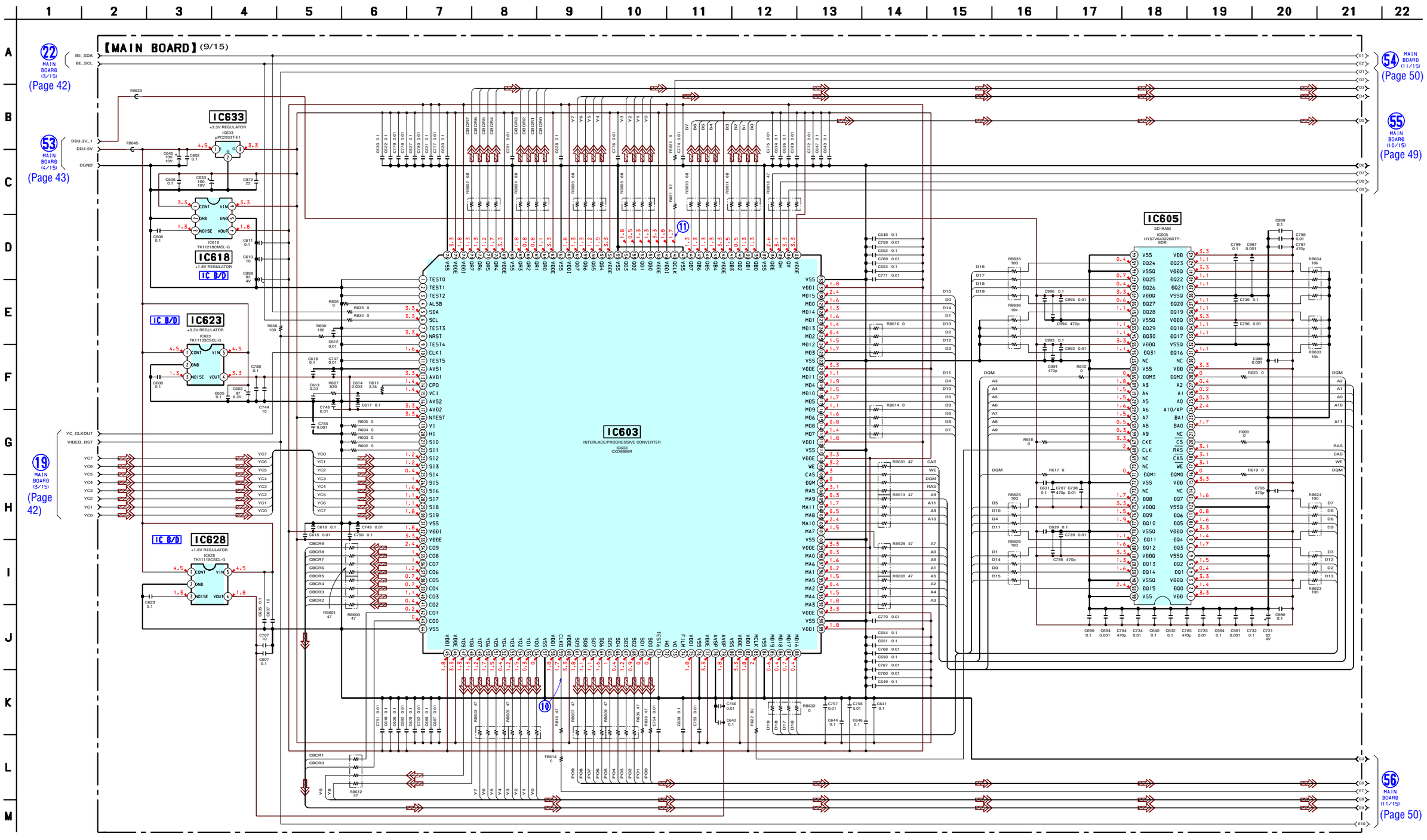


7-20. SCHEMATIC DIAGRAM – MAIN Section (8/15) – • See page 82 for IC Block Diagrams.

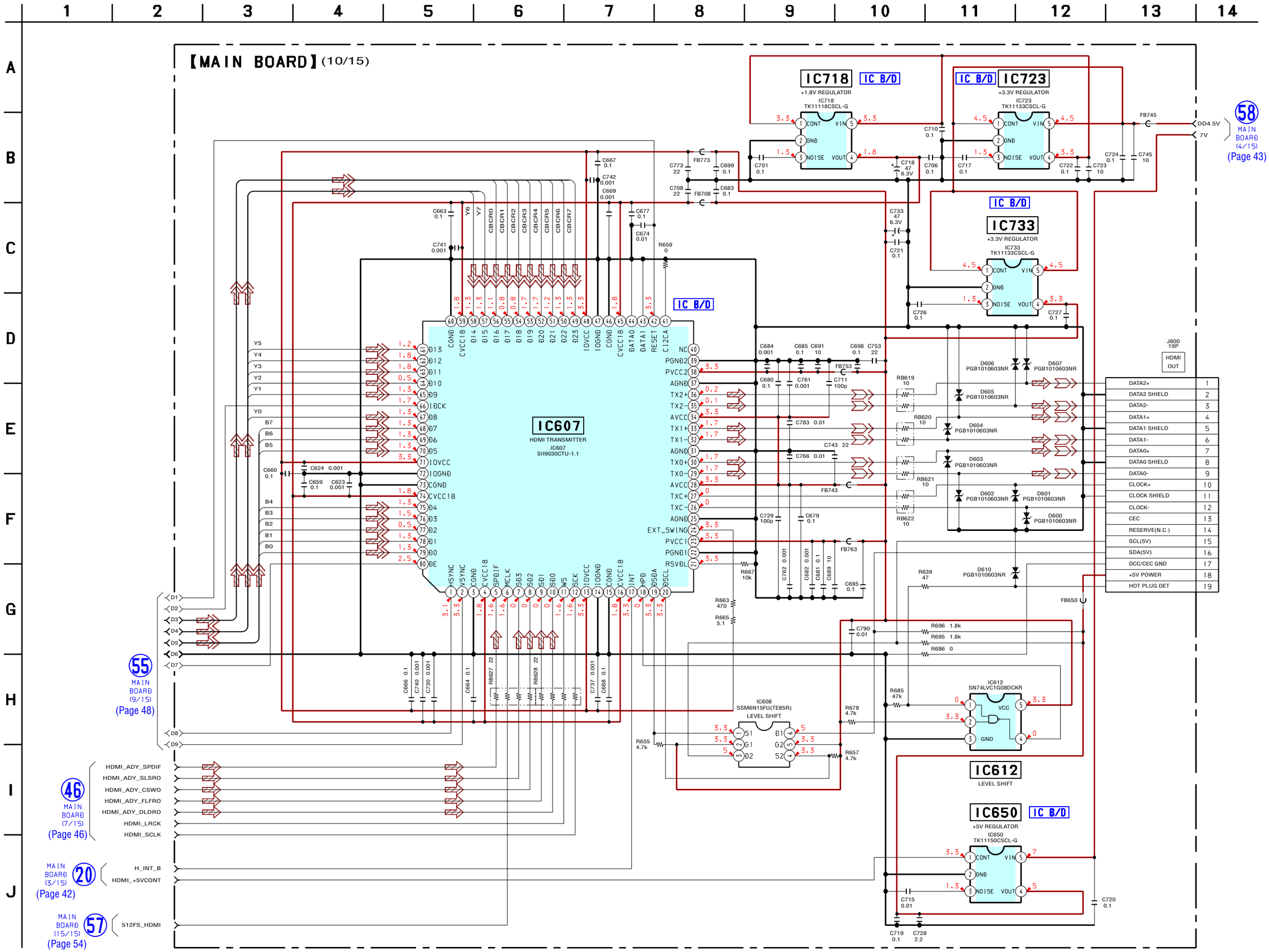


7-21. SCHEMATIC DIAGRAM – MAIN Section (9/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

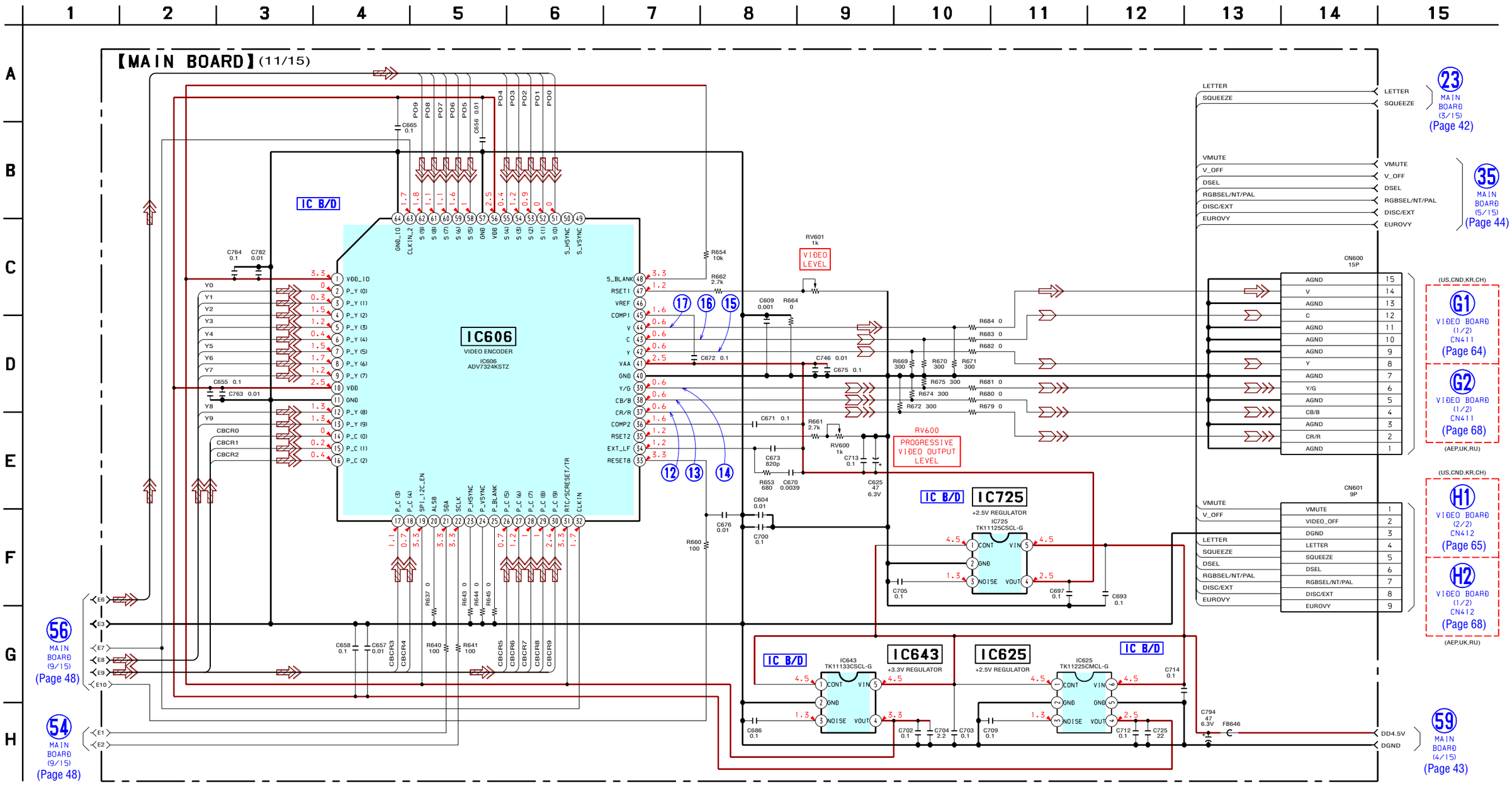


7-22. SCHEMATIC DIAGRAM – MAIN Section (10/15) – • See page 82 for IC Block Diagrams.

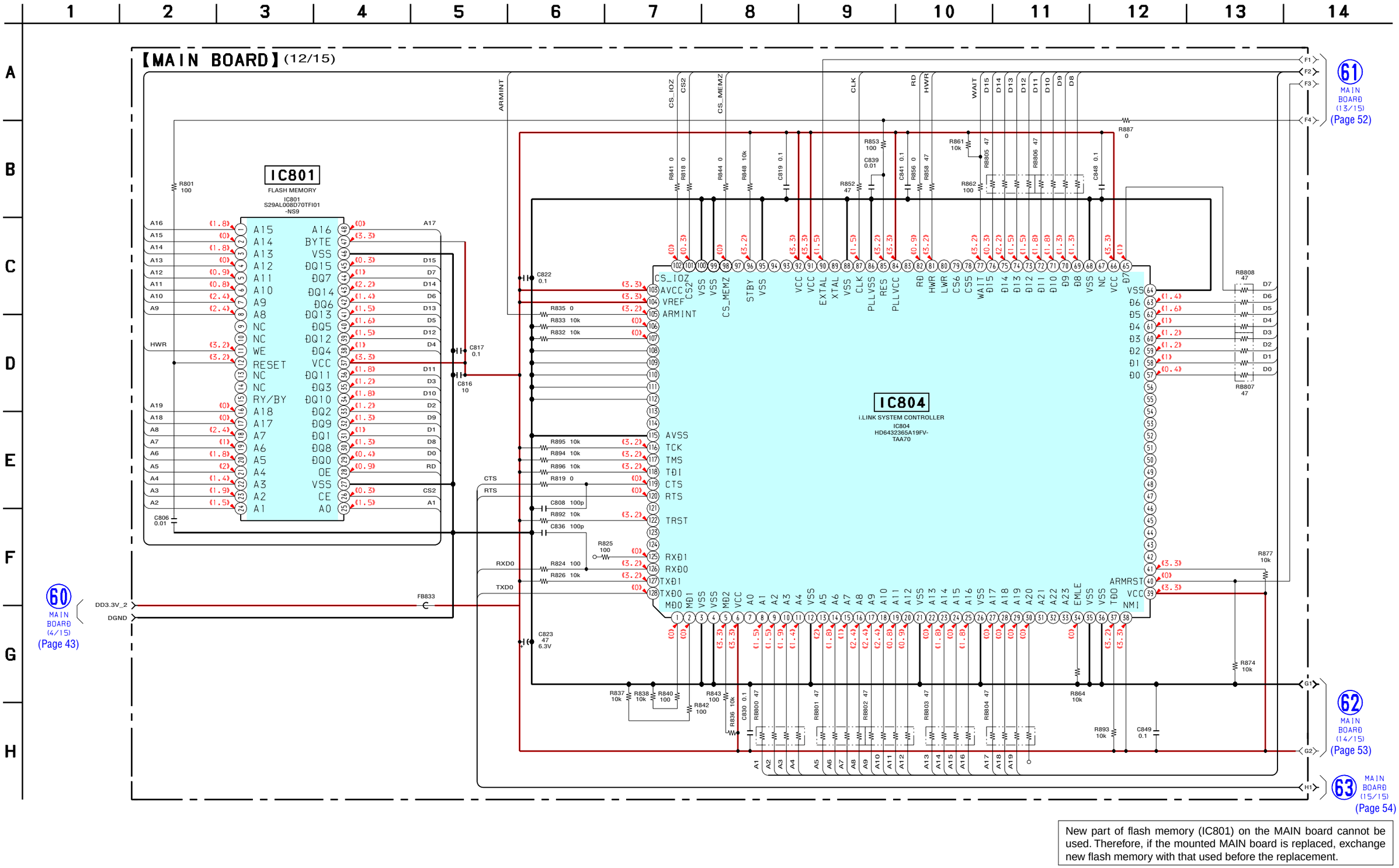


7-23. SCHEMATIC DIAGRAM – MAIN Section (11/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams.



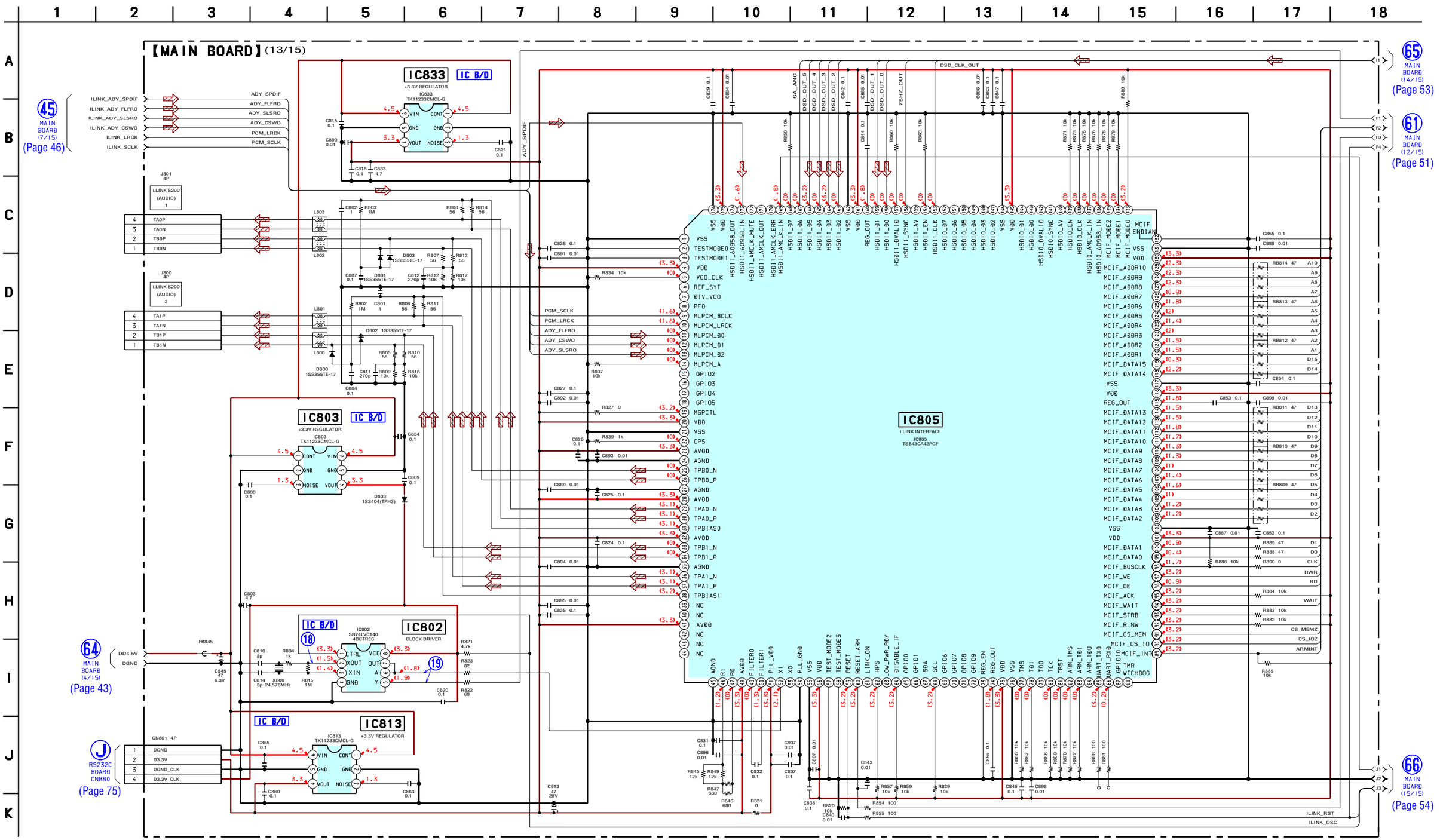
7-24. SCHEMATIC DIAGRAM – MAIN Section (12/15) – • See page 89 for IC Pin Function Description.



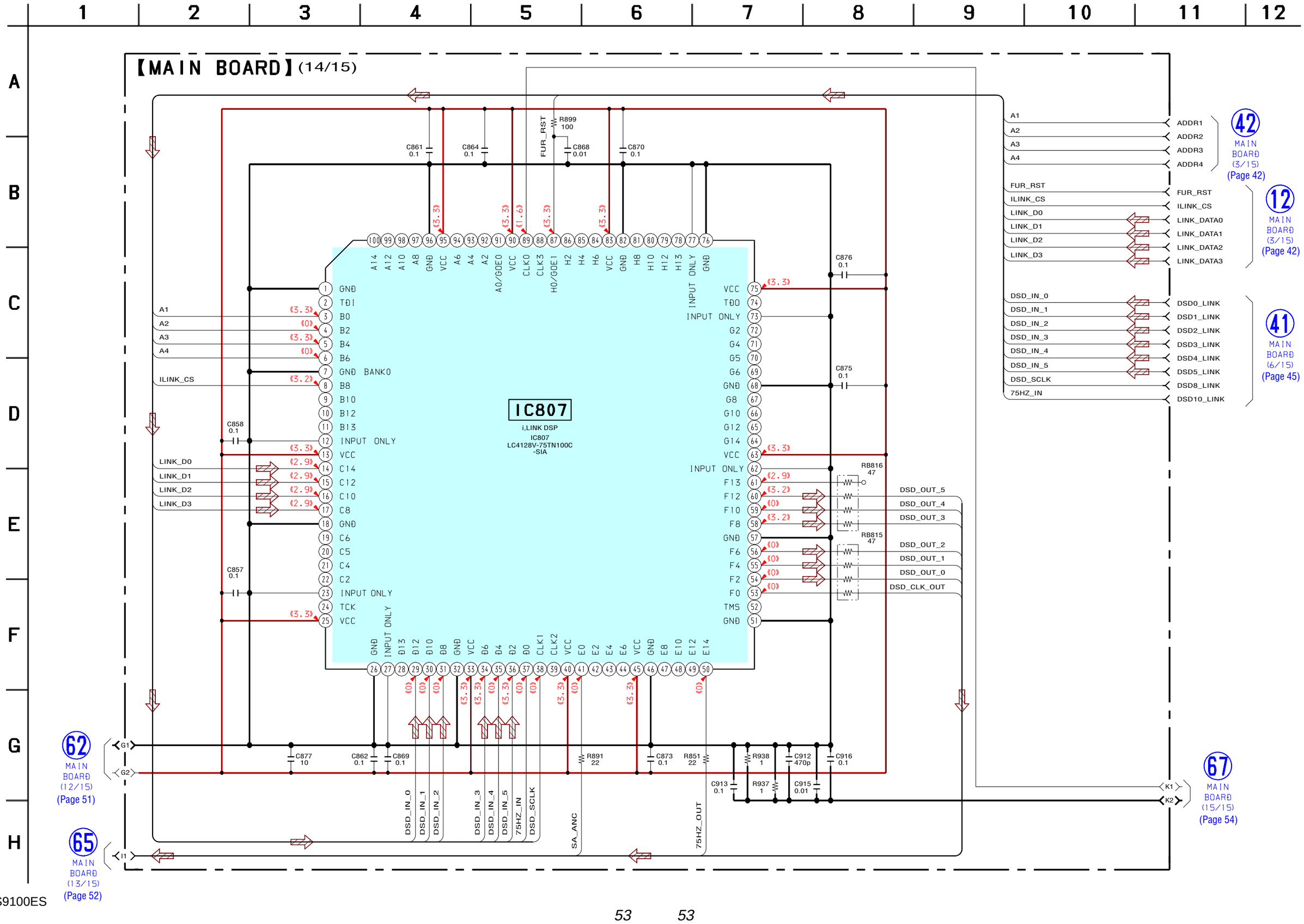
New part of flash memory (IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

7-25. SCHEMATIC DIAGRAM – MAIN Section (13/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

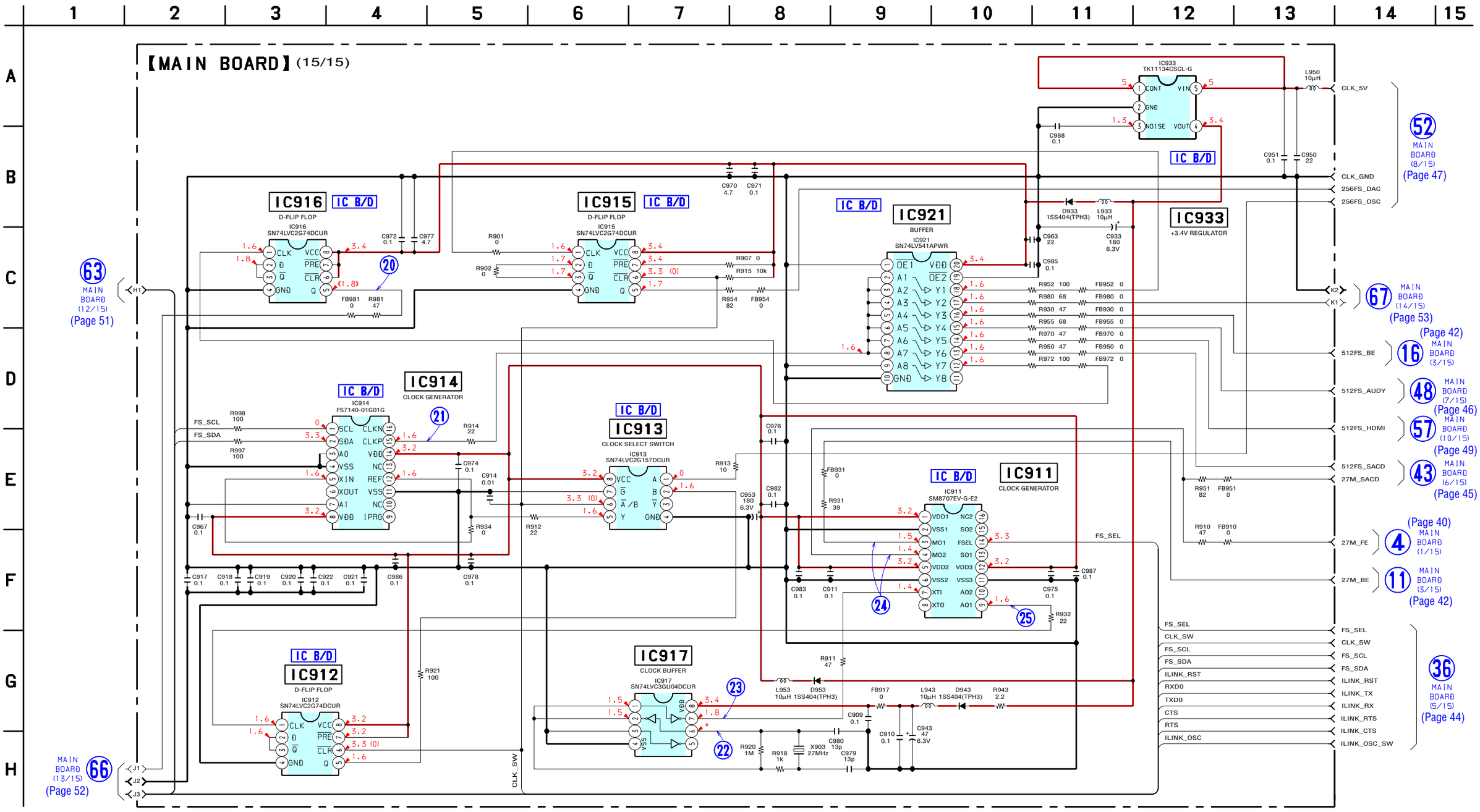


7-26. SCHEMATIC DIAGRAM – MAIN Section (14/15) – • See page 89 for IC Pin Function Description.



7-27. SCHEMATIC DIAGRAM – MAIN Section (15/15) –

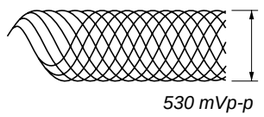
• See page 55 for Waveforms. • See page 82 for IC Block Diagrams.



• **Waveforms**

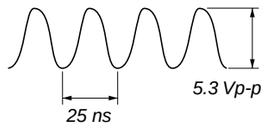
– MAIN Board –

① IC105 ④ (RFOUT) (DVD/SA-CD play mode)



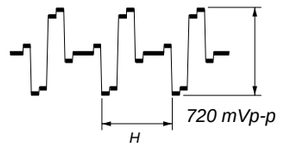
200 mV/DIV, 200 ns/DIV

⑥ IC256 ⑦ (I2S_BCLK_OUT)



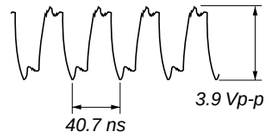
2 V/DIV, 10 ns/DIV

⑫ IC606 ㊲ (CR/R) (Color bar)



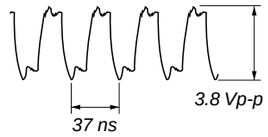
200 mV/DIV, 20 µs/DIV

⑱ IC802 ② (XOUT) (I.link on mode)



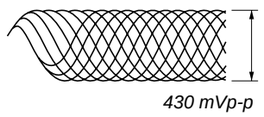
2 V/DIV, 20 ns/DIV

㉔ IC911 ③ (MO1), ④ (MO2)



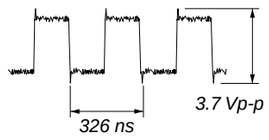
2 V/DIV, 20 ns/DIV

① IC105 ④ (RFOUT) (CD play mode)



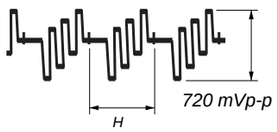
200 mV/DIV, 200 ns/DIV

⑦ IC256 ㊶ (DAC-SCLK)



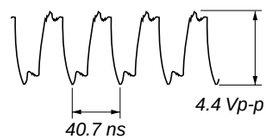
2 V/DIV, 100 ns/DIV

⑬ IC606 ㊳ (CB/B) (Color bar)



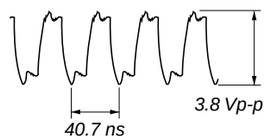
200 mV/DIV, 50 µs/DIV

⑲ IC802 ⑤ (Y), ⑥ (A), ⑦ (OUT) (I.link on mode)



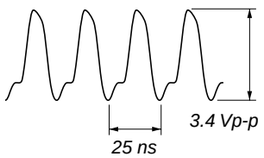
2 V/DIV, 20 ns/DIV

㉕ IC911 ⑨ (AO1)



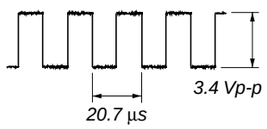
2 V/DIV, 20 ns/DIV

② IC105 ㊶ (OUT-CLK)



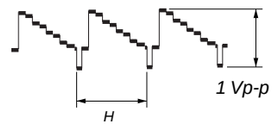
1 V/DIV, 10 ns/DIV

⑧ IC256 ㊻ (DAC-LRCLK)



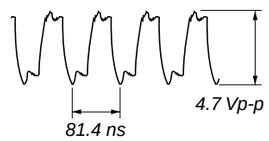
2 V/DIV, 10 µs/DIV

⑭ IC606 ㊴ (Y/G) (Color bar)



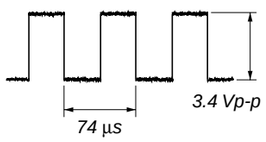
500 mV/DIV, 20 µs/DIV

⑳ IC916 ⑤ (Q) (I.link on mode)



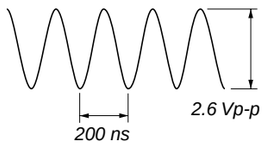
2 V/DIV, 50 ns/DIV

③ IC105 ㊸ (OUT-DVALID)



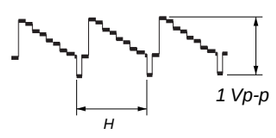
1 V/DIV, 20 µs/DIV

⑨ IC404 ⑮ (XTO)



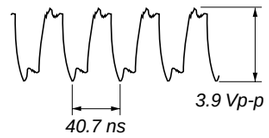
1 V/DIV, 100 ns/DIV

⑮ IC606 ㊷ (Y) (Color bar)



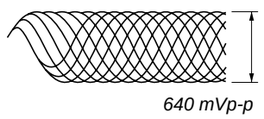
500 mV/DIV, 20 µs/DIV

㉑ IC914 ⑮ (CLKP)



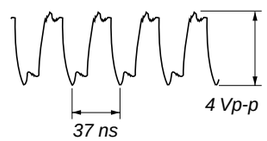
2 V/DIV, 20 ns/DIV

④ IC105 ㊾ (RFSACD) (SA-CD play mode)



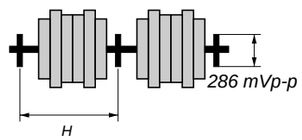
200 mV/DIV, 200 ns/DIV

⑩ IC603 ㊾ (CLKO)



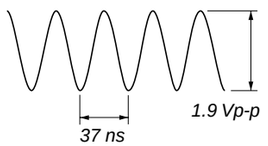
2 V/DIV, 20 ns/DIV

⑯ IC606 ㊸ (C) (Color bar)



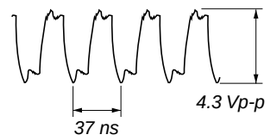
500 mV/DIV, 20 µs/DIV

㉒ IC917 ⑥



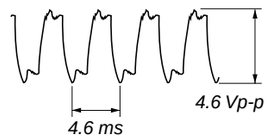
1 V/DIV, 20 ns/DIV

⑤ IC256 ③ (YC_CLKOUT)



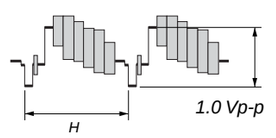
2 V/DIV, 20 ns/DIV

⑪ IC603 ㊽ (QCLK)



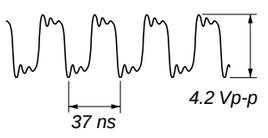
2 V/DIV, 2 ms/DIV

⑰ IC606 ㊹ (V) (Color bar)



500 mV/DIV, 20 µs/DIV

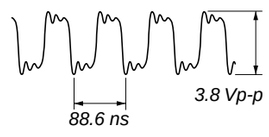
㉓ IC917 ⑦



2 V/DIV, 20 ns/DIV

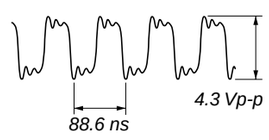
– AUDIO Board –

㉛ IC104 ② (XOUT) (SA-CD play mode)



2 V/DIV, 50 ns/DIV

㉜ IC104 ⑦ (OUT) (SA-CD play mode)



2 V/DIV, 50 ns/DIV

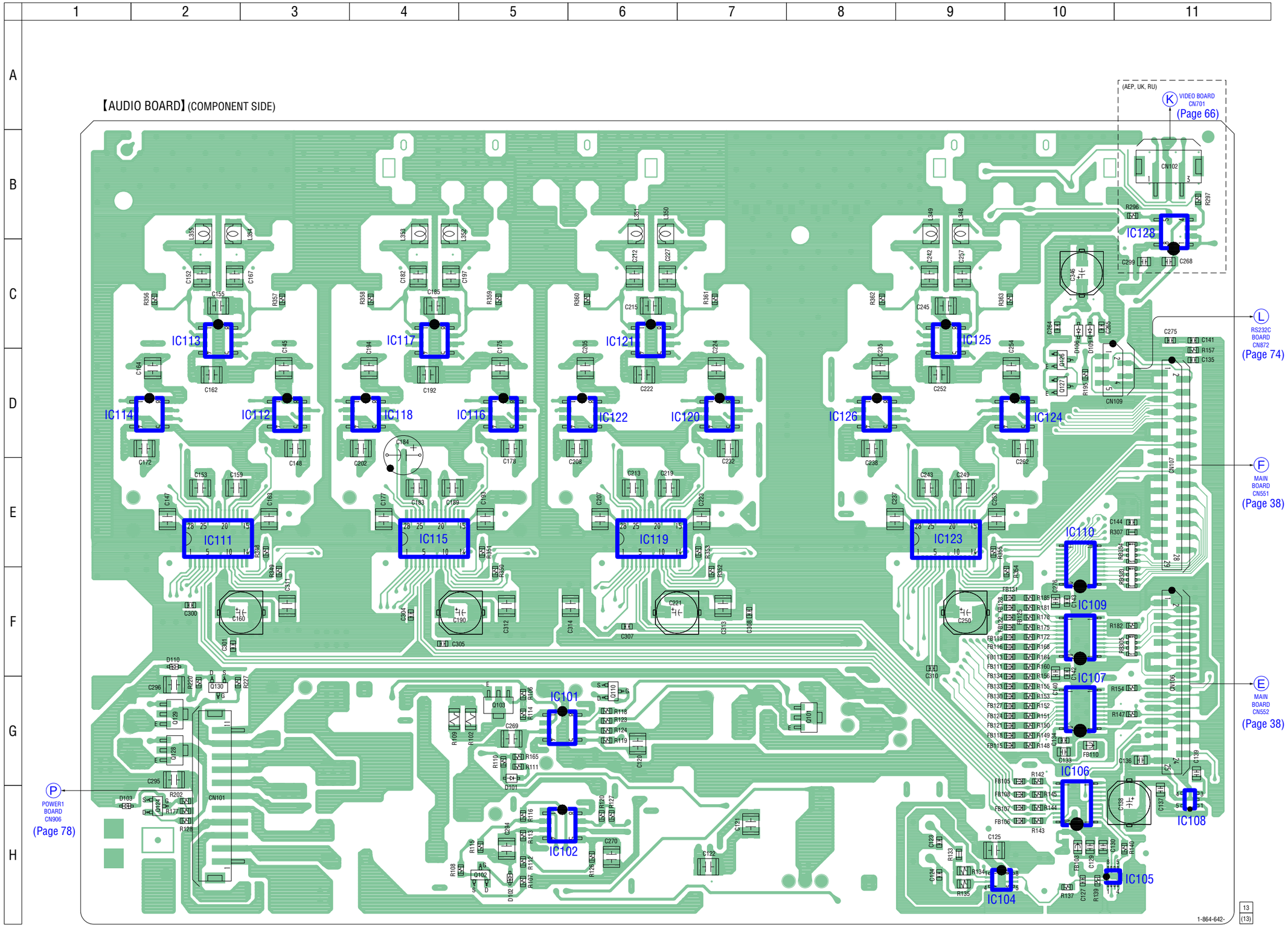
7-28. PRINTED WIRING BOARD – AUDIO Board (Component Side) –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

• **Semiconductor Location**

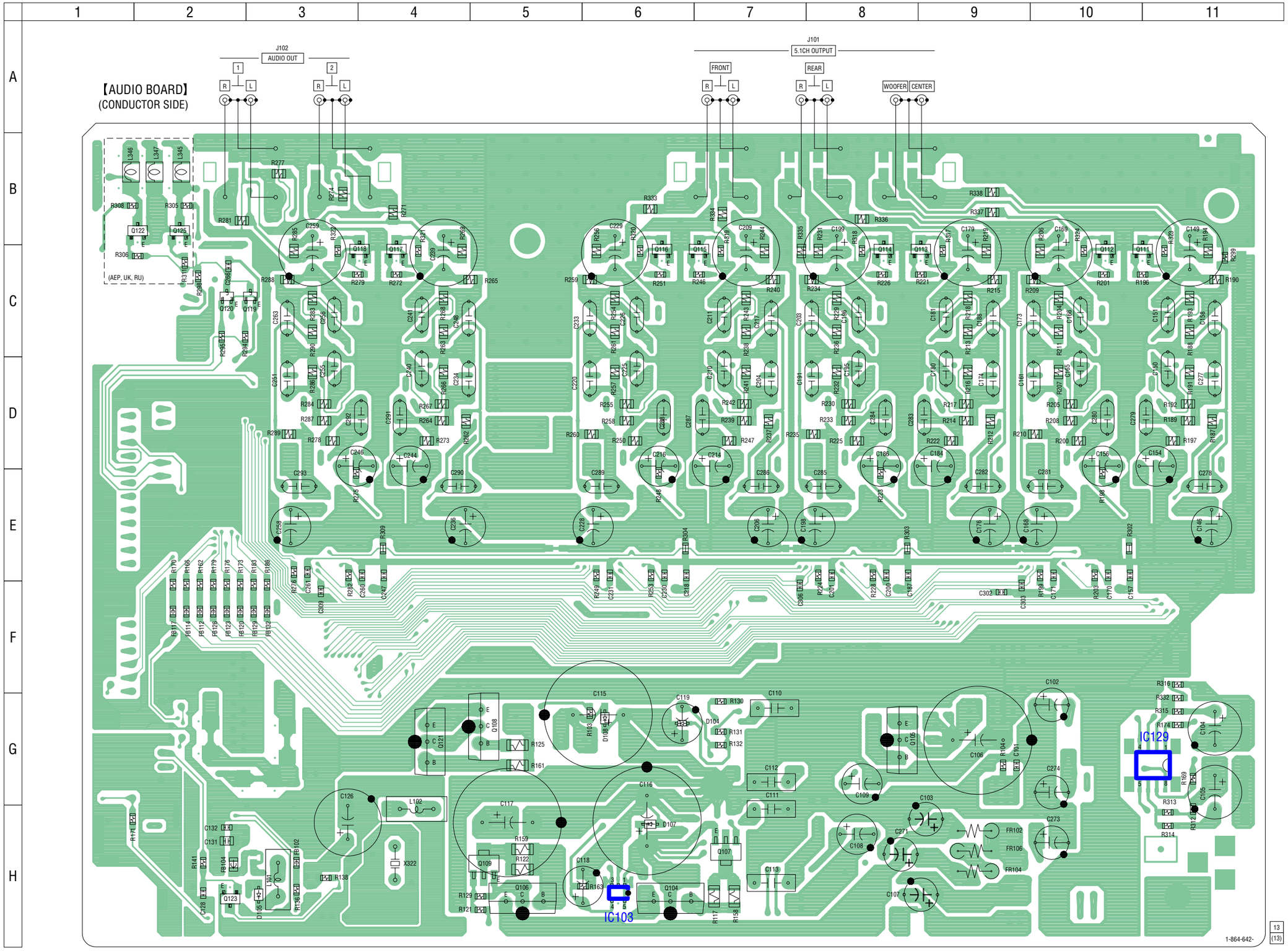
Ref. No.	Location
D101	G-5
D102	H-5
D103	H-1
D106	C-10
D109	C-10
D110	F-2
IC101	G-5
IC102	H-5
IC104	H-9
IC105	H-10
IC106	H-10
IC107	G-10
IC108	H-11
IC109	F-10
IC110	F-10
IC111	E-2
IC112	D-3
IC113	C-2
IC114	D-2
IC115	E-4
IC116	D-5
IC117	C-4
IC118	D-4
IC119	E-6
IC120	D-7
IC121	C-6
IC122	D-6
IC123	E-9
IC124	D-10
IC125	C-9
IC126	D-8
IC128	B-11
Q101	G-8
Q102	H-5
Q103	G-5
Q110	G-6
Q124	H-2
Q126	D-10
Q127	D-10
Q128	G-2
Q129	G-2
Q130	G-2



7-29. PRINTED WIRING BOARD – AUDIO Board (Conductor Side) –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

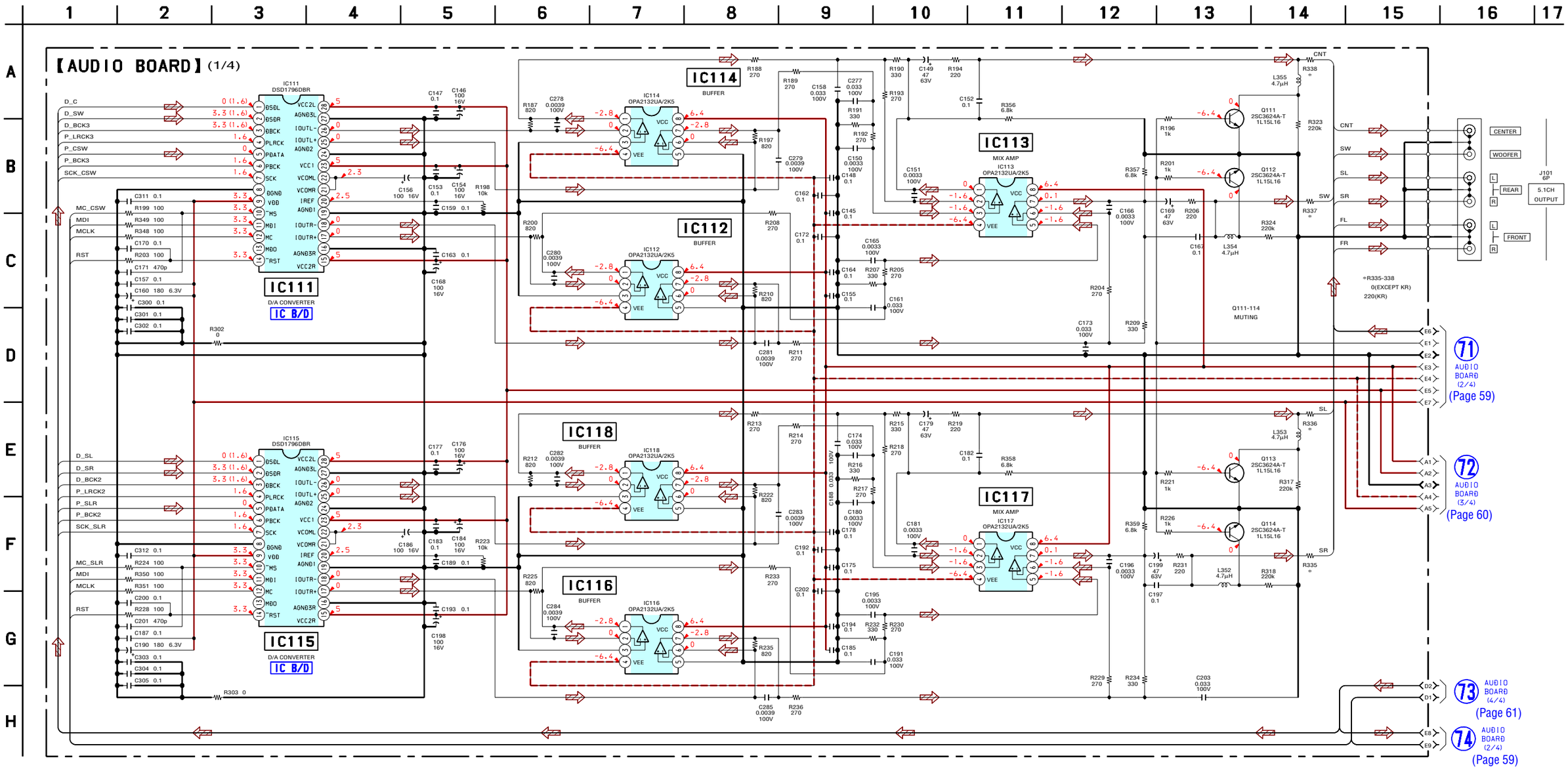


• **Semiconductor Location**

Ref. No.	Location
D104	G-6
D105	H-3
D107	H-6
D108	G-6
IC103	H-6
IC129	G-11
Q104	H-6
Q105	G-8
Q106	H-5
Q107	H-7
Q108	G-5
Q109	H-5
Q111	C-11
Q112	C-10
Q113	C-9
Q114	C-8
Q115	C-7
Q116	C-6
Q117	C-4
Q118	C-4
Q119	C-3
Q120	C-2
Q121	G-4
Q122	B-2
Q123	H-2
Q125	B-2

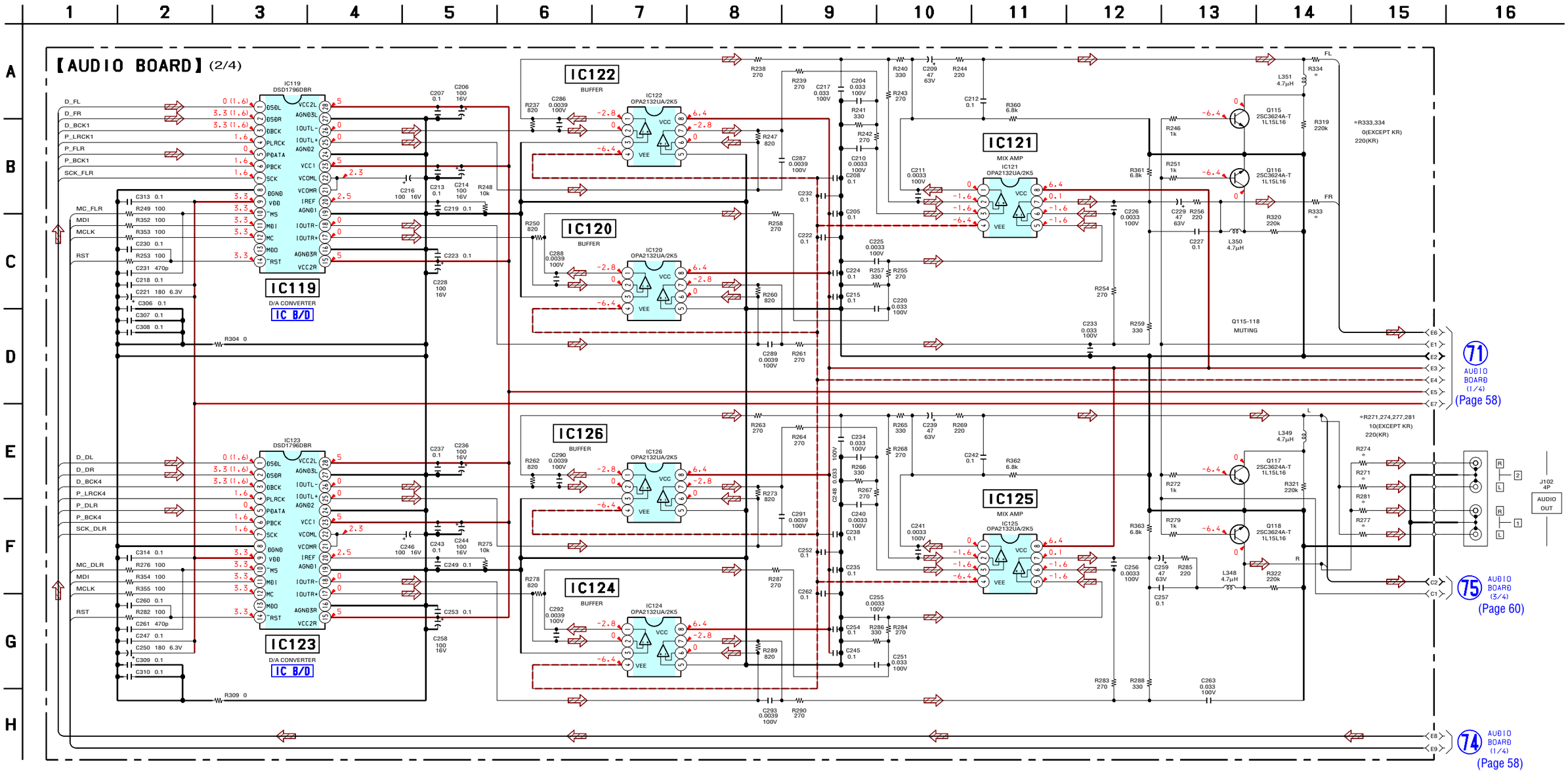
7-30. SCHEMATIC DIAGRAM – AUDIO Board (1/4) –

• See page 82 for IC Block Diagrams.



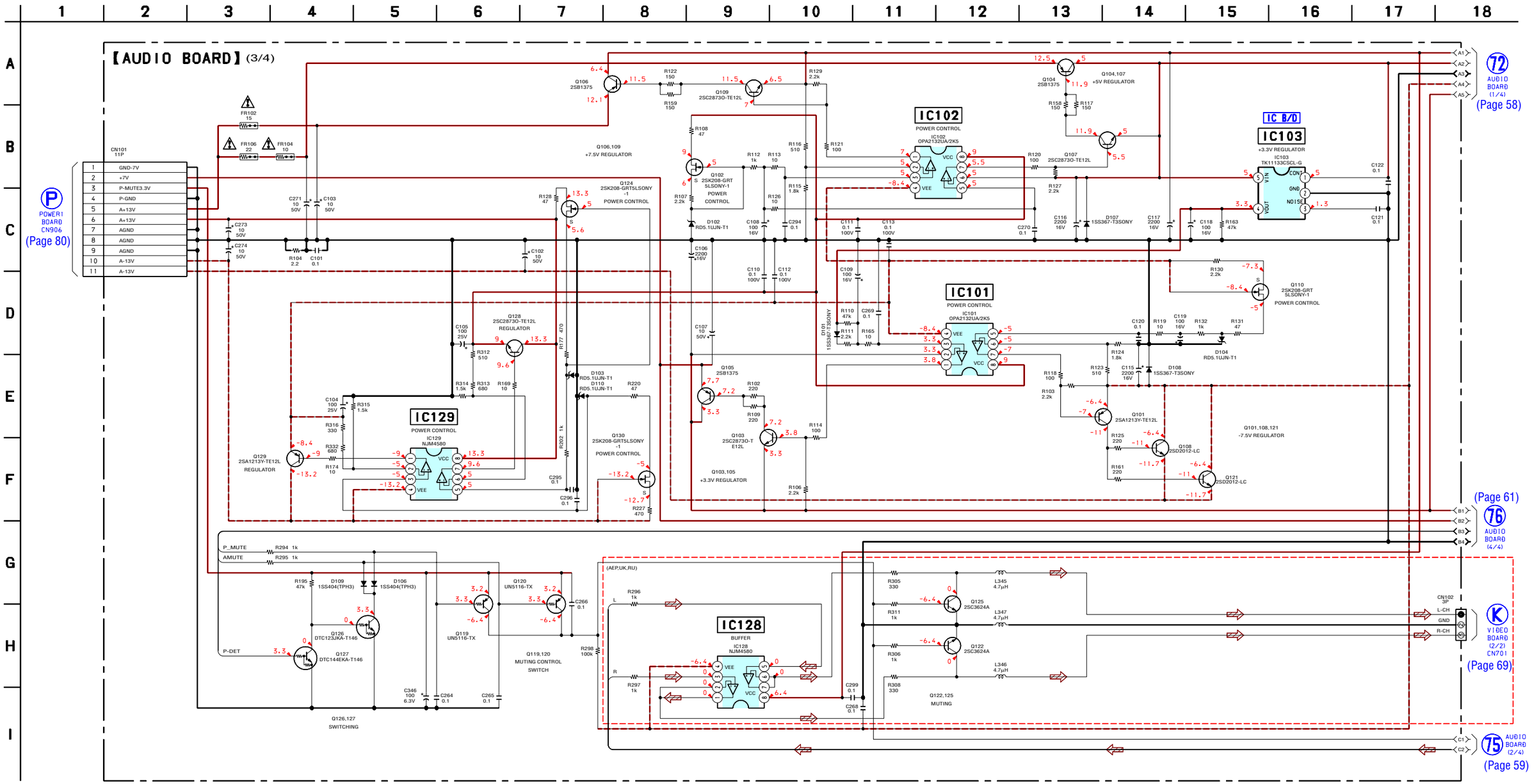
7-31. SCHEMATIC DIAGRAM – AUDIO Board (2/4) –

• See page 82 for IC Block Diagrams.



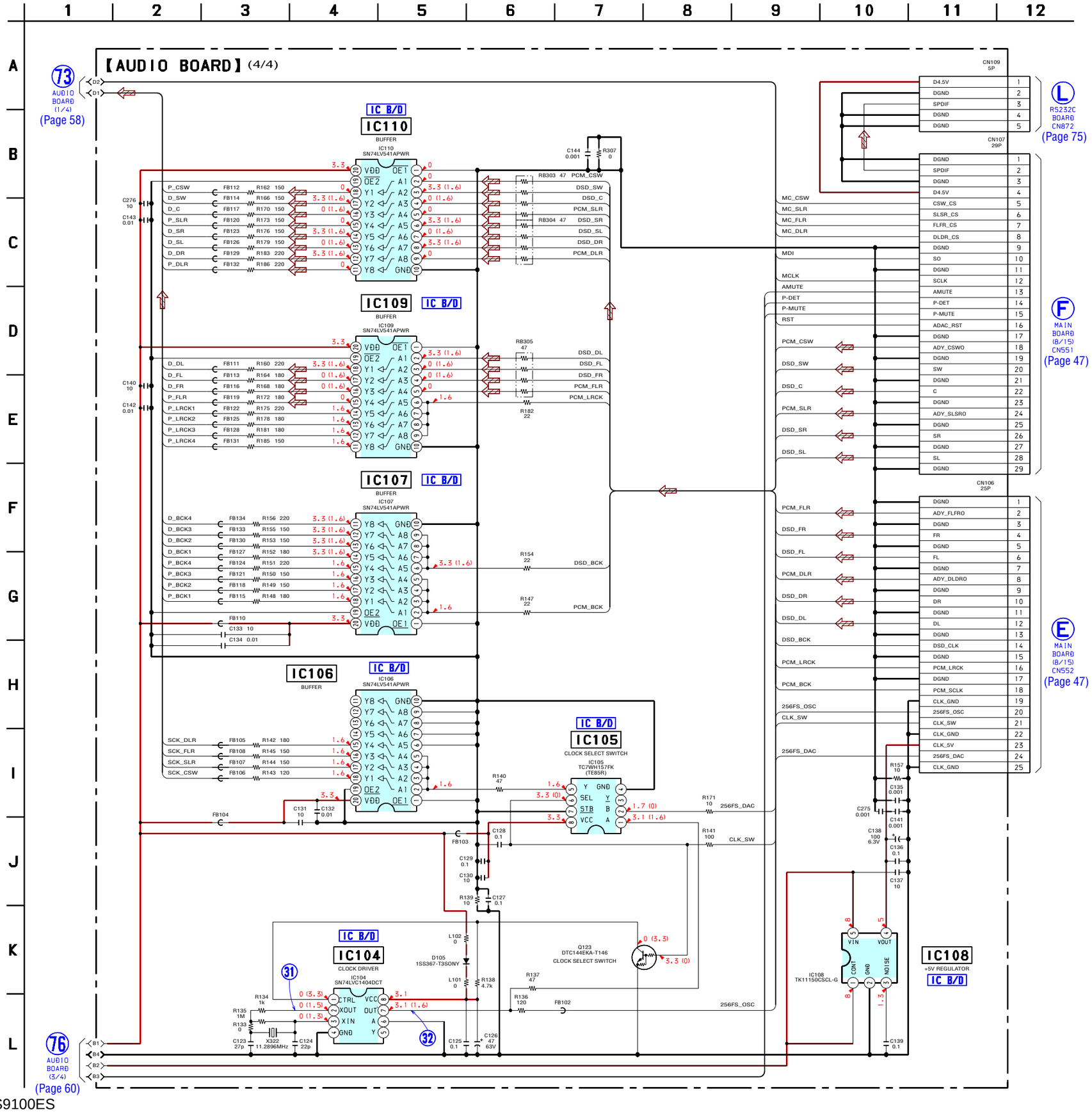
7-32. SCHEMATIC DIAGRAM – AUDIO Board (3/4) –

• See page 82 for IC Block Diagrams.



7-33. SCHEMATIC DIAGRAM – AUDIO Board (4/4) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams.

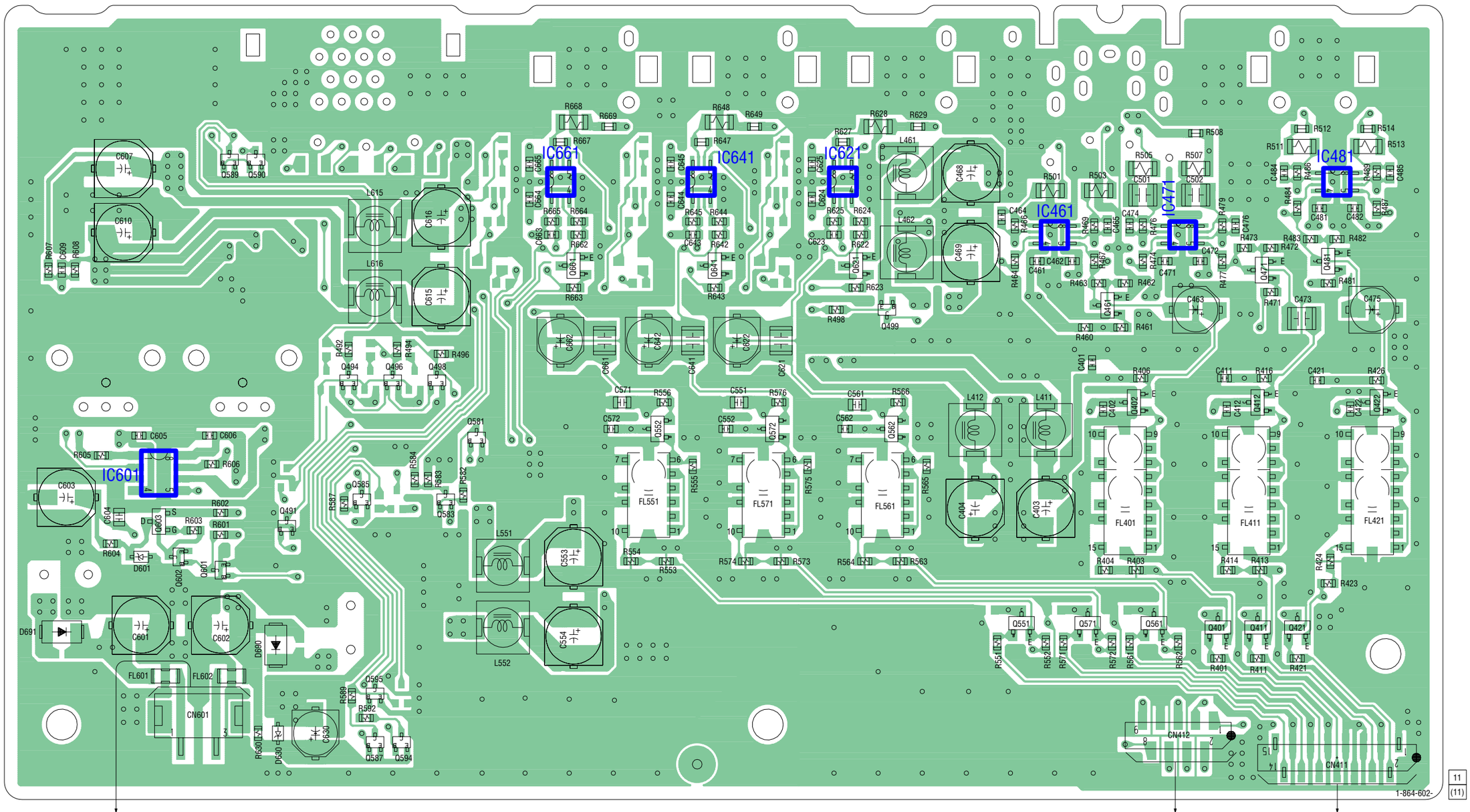


7-34. PRINTED WIRING BOARD – VIDEO Board (Component Side) – (US, Canadian, Korean, Chinese models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

【VIDEO BOARD】(COMPONENT SIDE)



M POWER1 BOARD CN907 (Page 78)
H1 MAIN BOARD CN601 (Page 38)
G1 MAIN BOARD CN600 (Page 38)

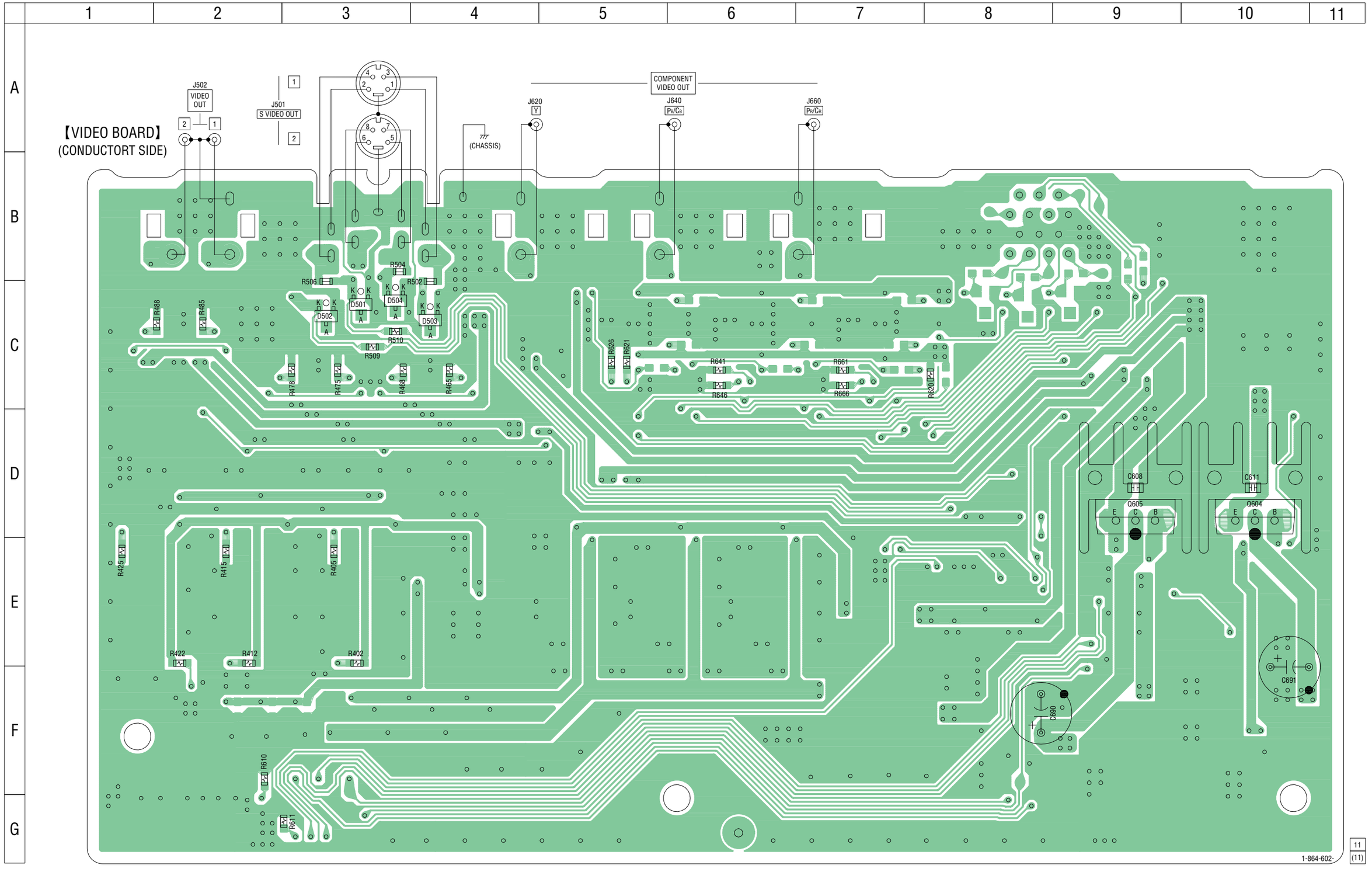
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D601	E-2	IC601	E-2	Q412	D-10	Q496	D-4	Q572	E-6	Q595	F-4
D630	G-3	IC621	C-7	Q421	F-10	Q498	D-4	Q581	E-4	Q601	E-2
D690	F-3	IC641	C-6	Q422	D-10	Q499	D-7	Q583	E-4	Q602	E-2
D691	F-1	IC661	C-5	Q461	D-8	Q551	F-8	Q585	E-3	Q603	E-2
				Q471	C-10	Q552	E-5	Q587	G-4	Q621	C-7
IC461	C-8	Q401	F-9	Q481	C-10	Q561	F-9	Q589	C-3	Q641	C-6
IC471	C-9	Q402	D-9	Q491	E-3	Q562	E-7	Q590	C-3	Q661	C-5
IC481	C-10	Q411	F-10	Q494	D-3	Q571	F-8	Q594	G-4		

7-35. PRINTED WIRING BOARD – VIDEO Board (Conductor Side) – (US, Canadian, Korean, Chinese models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

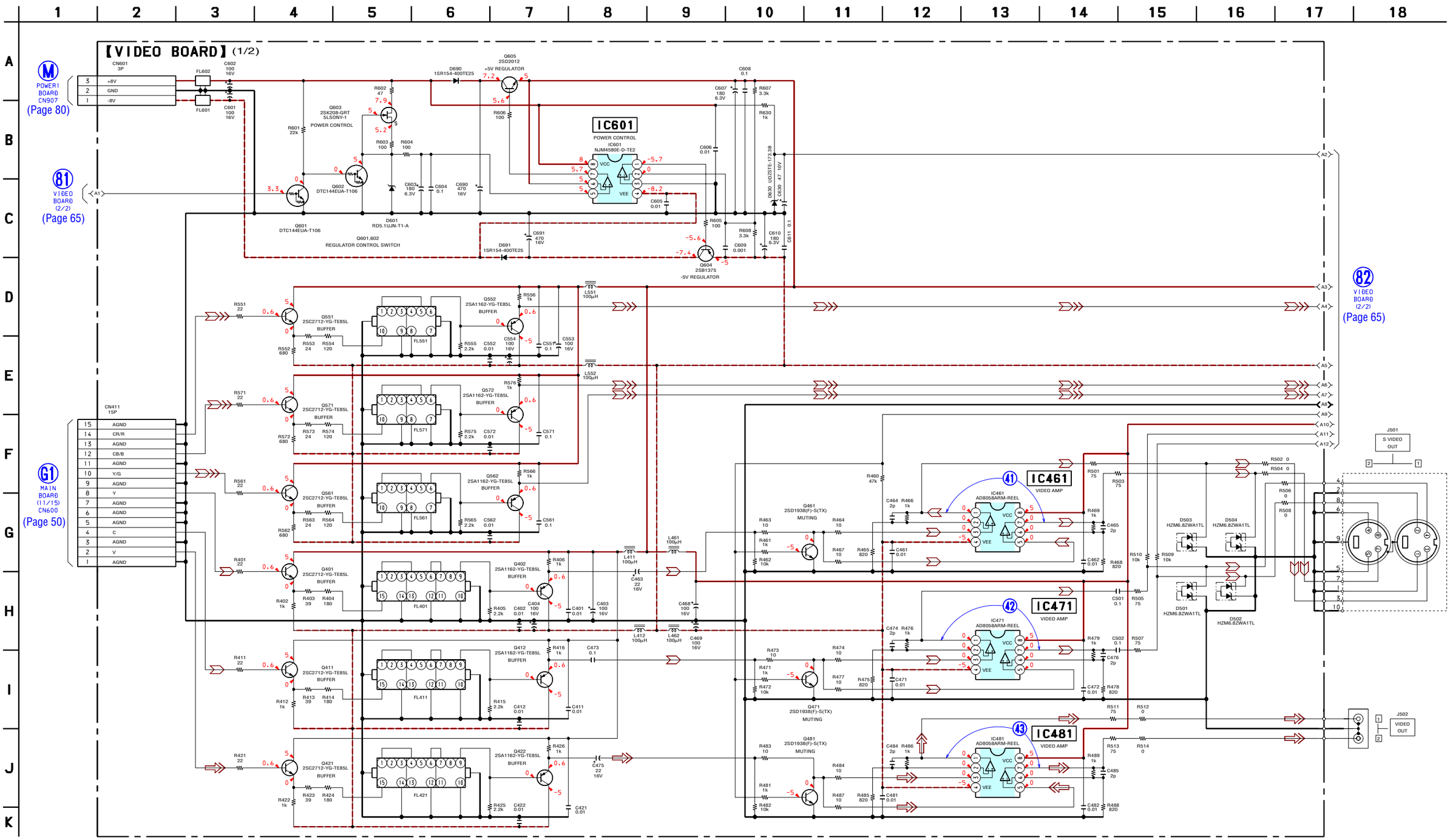


- **Semiconductor Location**

Ref. No.	Location
D501	C-3
D502	C-3
D503	C-4
D504	C-3
Q604	D-10
Q605	D-9

7-36. SCHEMATIC DIAGRAM – VIDEO Board (1/2) – (US, Canadian, Korean, Chinese models)

• See page 81 for Waveforms.



7-37. SCHEMATIC DIAGRAM – VIDEO Board (2/2) – (US, Canadian, Korean, Chinese models)

• See page 81 for Waveforms.

【VIDEO BOARD】(2/2)

IC661 VIDEO AMP
IC661 AD8058ARM-REEL

IC641 VIDEO AMP
IC641 AD8058ARM-REEL

IC621 VIDEO AMP
IC621 AD8058ARM-REEL

CN412 9P

1	EUROVY
2	DISC/EXT
3	RGBSEL/NT/PAL
4	DSEL
5	SQUEEZE
6	LETTER
7	DGND
8	VIDEO_OFF
9	VMUTE

H1 MAIN BOARD (11/15) CN601 (Page 50)

81 VIDEO BOARD (1/2) (Page 64)

82 VIDEO BOARD (1/2) (Page 64)

COMPONENT VIDEO OUT

Q491,496,498 WIDE SELECT SWITCH

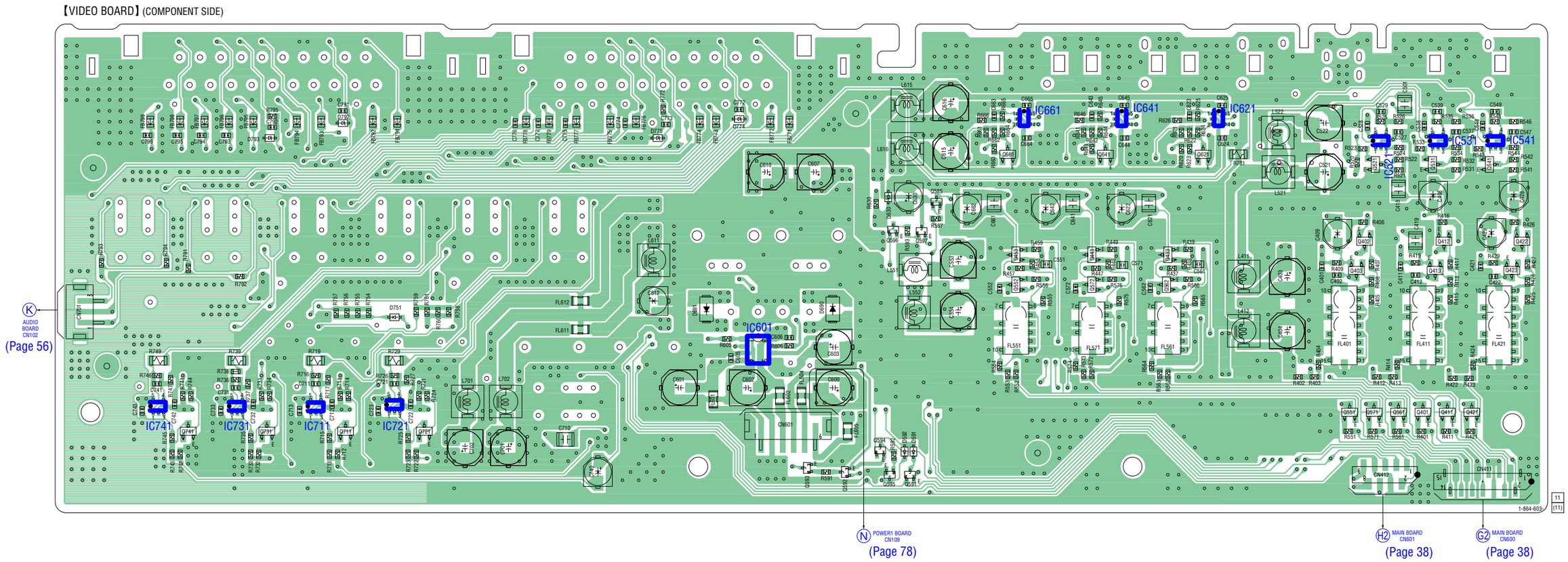
Q499,585,594,595 MUTING CONTROL SWITCH

7-38. PRINTED WIRING BOARD – VIDEO Board (Component Side) – (AEP, UK, Russian models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

【VIDEO BOARD】(COMPONENT SIDE)



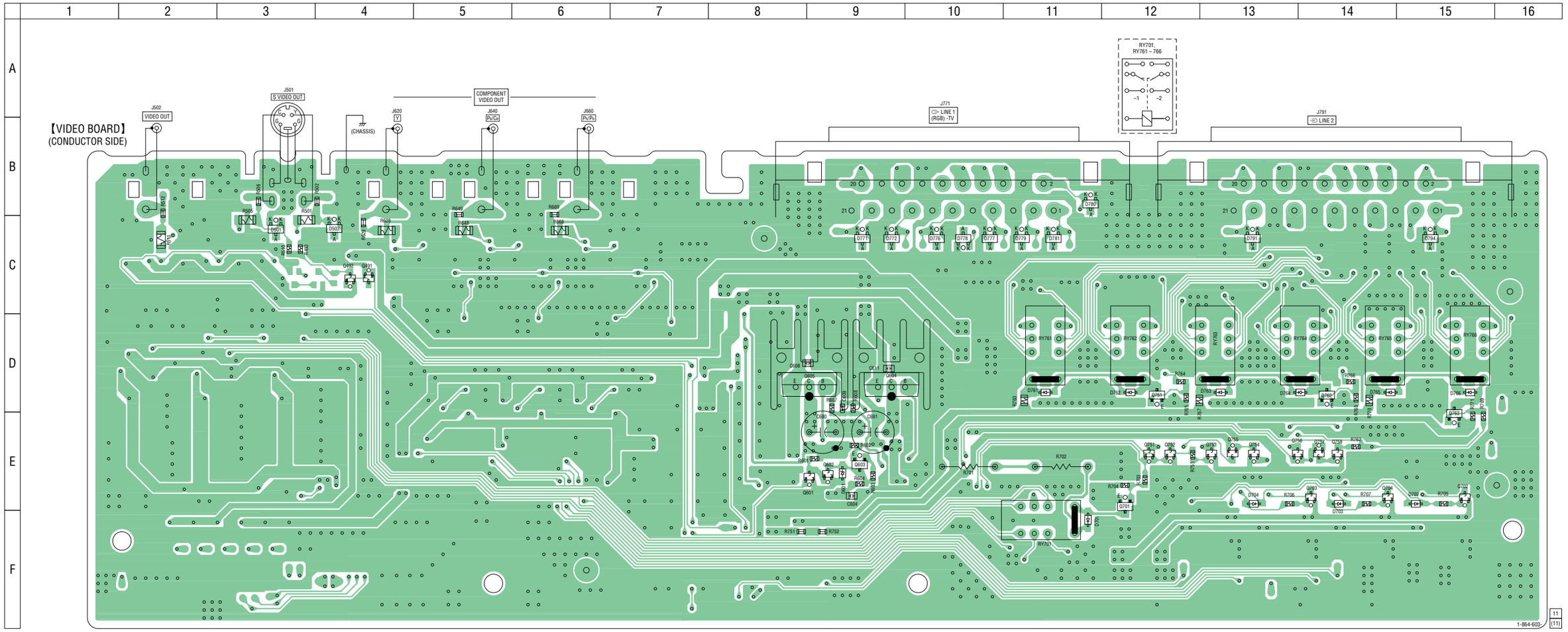
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D591	F-10	IC731	F-3	Q561	F-15
D592	F-10	IC741	F-2	Q562	D-12
D630	D-9			Q571	F-14
D690	E-9	Q401	F-15	Q572	D-11
D691	E-8	Q402	D-14	Q585	D-10
D751	E-5	Q403	D-14	Q591	F-10
D774	C-8	Q411	F-15	Q592	F-9
D775	C-7	Q412	D-15	Q593	F-9
D792	C-4	Q413	D-15	Q594	F-9
D793	C-3	Q421	F-15	Q595	F-9
		Q422	D-16	Q596	D-10
IC521	C-14	Q423	D-16	Q597	D-10
IC531	C-15	Q433	D-12	Q621	C-13
IC541	C-16	Q443	D-11	Q641	C-12
IC601	E-8	Q453	D-11	Q661	C-11
IC621	C-13	Q521	C-14	Q711	F-4
IC641	C-12	Q531	C-15	Q721	F-5
IC661	C-11	Q541	C-15	Q731	F-3
IC711	F-4	Q551	F-14	Q741	F-3
IC721	F-5	Q552	D-11		

7-39. PRINTED WIRING BOARD – VIDEO Board (Conductor Side) – (AEP, UK, Russian models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

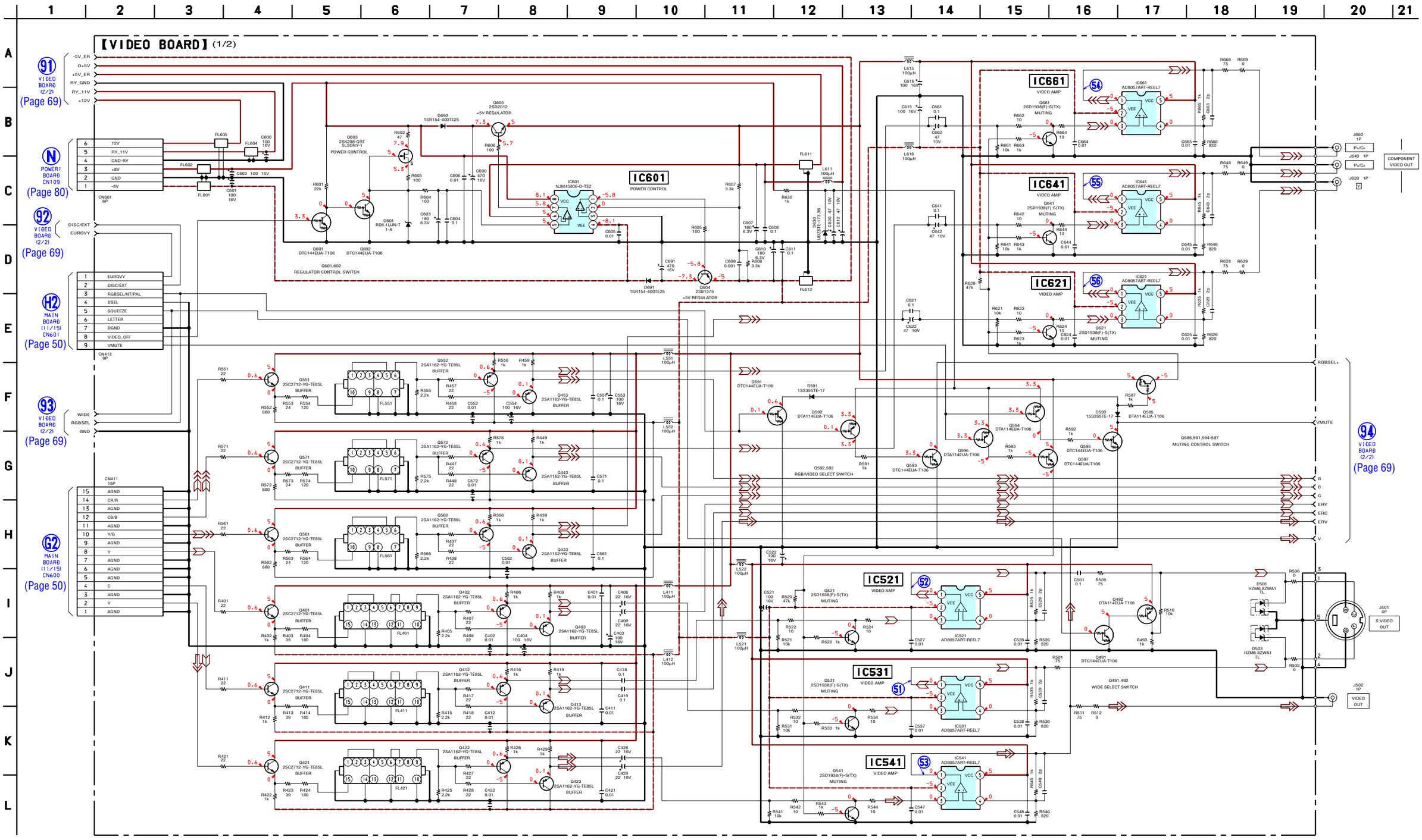


• **Semiconductor Location**

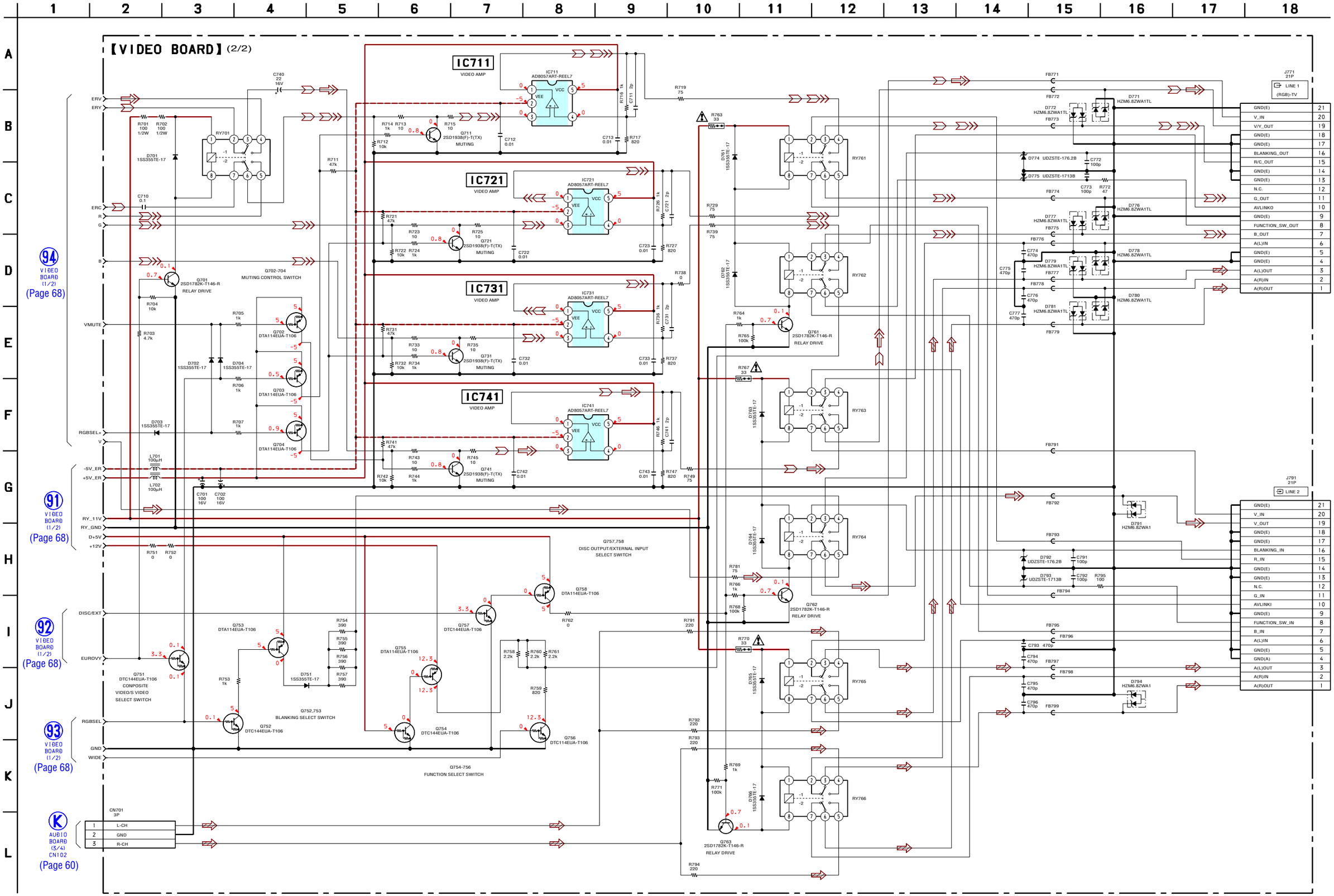
Ref. No.	Location	Ref. No.	Location
D501	C-3	Q491	C-4
D503	C-4	Q492	C-4
D601	E-9	Q601	E-9
D701	F-11	Q602	E-9
D702	E-15	Q603	E-9
D703	E-14	Q604	D-9
D704	E-13	Q605	D-9
D761	D-11	Q701	E-12
D762	D-12	Q702	E-15
D763	D-13	Q703	E-14
D764	D-14	Q704	E-14
D765	D-14	Q751	E-12
D766	D-15	Q752	E-12
D771	C-9	Q753	E-13
D772	C-9	Q754	E-13
D776	C-10	Q755	E-13
D777	C-10	Q756	E-13
D778	C-10	Q757	E-14
D779	C-11	Q758	E-14
D780	B-11	Q761	D-12
D781	C-11	Q762	D-14
D791	C-13	Q763	E-15
D794	C-15		

7-40. SCHEMATIC DIAGRAM – VIDEO Board (1/2) – (AEP, UK, Russian models)

• See page 81 for Waveforms.

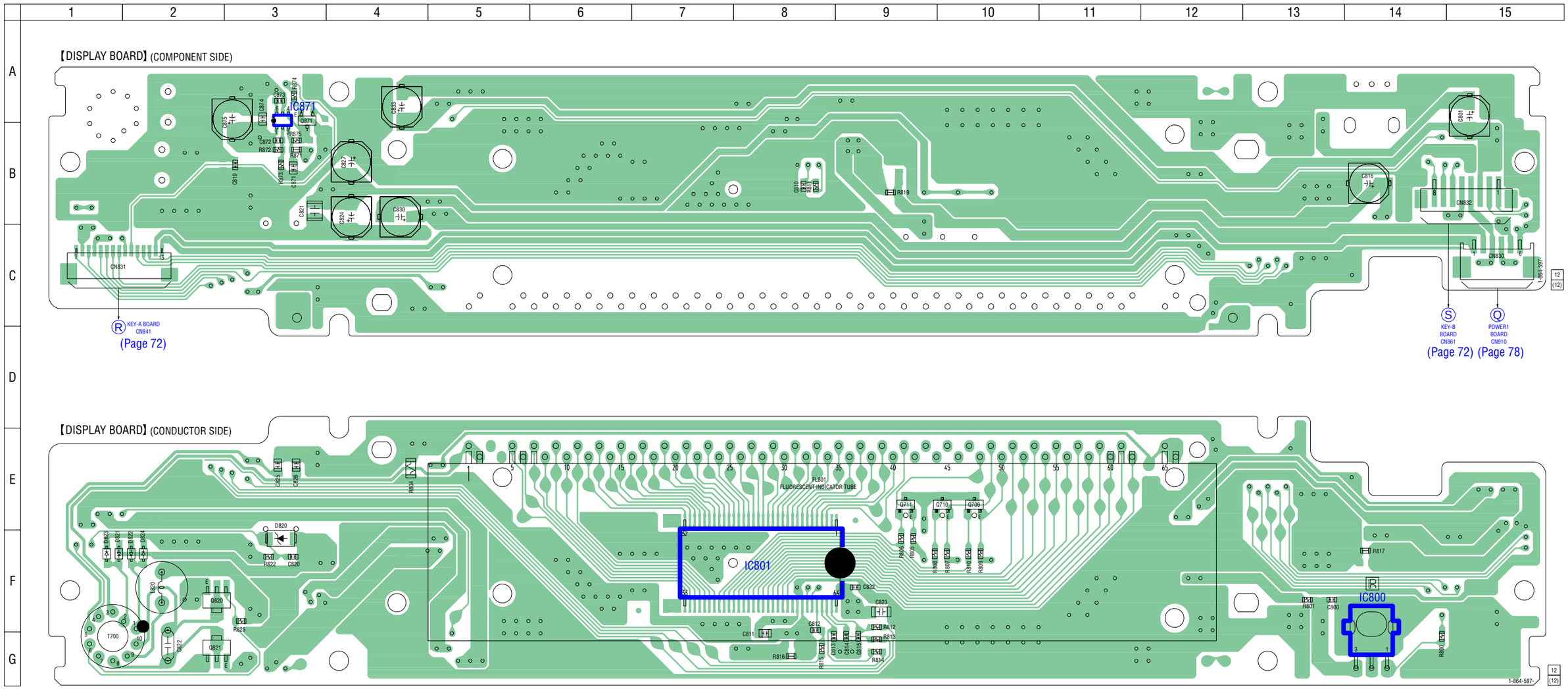


7-41. SCHEMATIC DIAGRAM – VIDEO Board (2/2) – (AEP, UK, Russian models)



7-42. PRINTED WIRING BOARD – DISPLAY Board –

• See page 35 for Circuit Boards Location. : Uses unleaded solder.

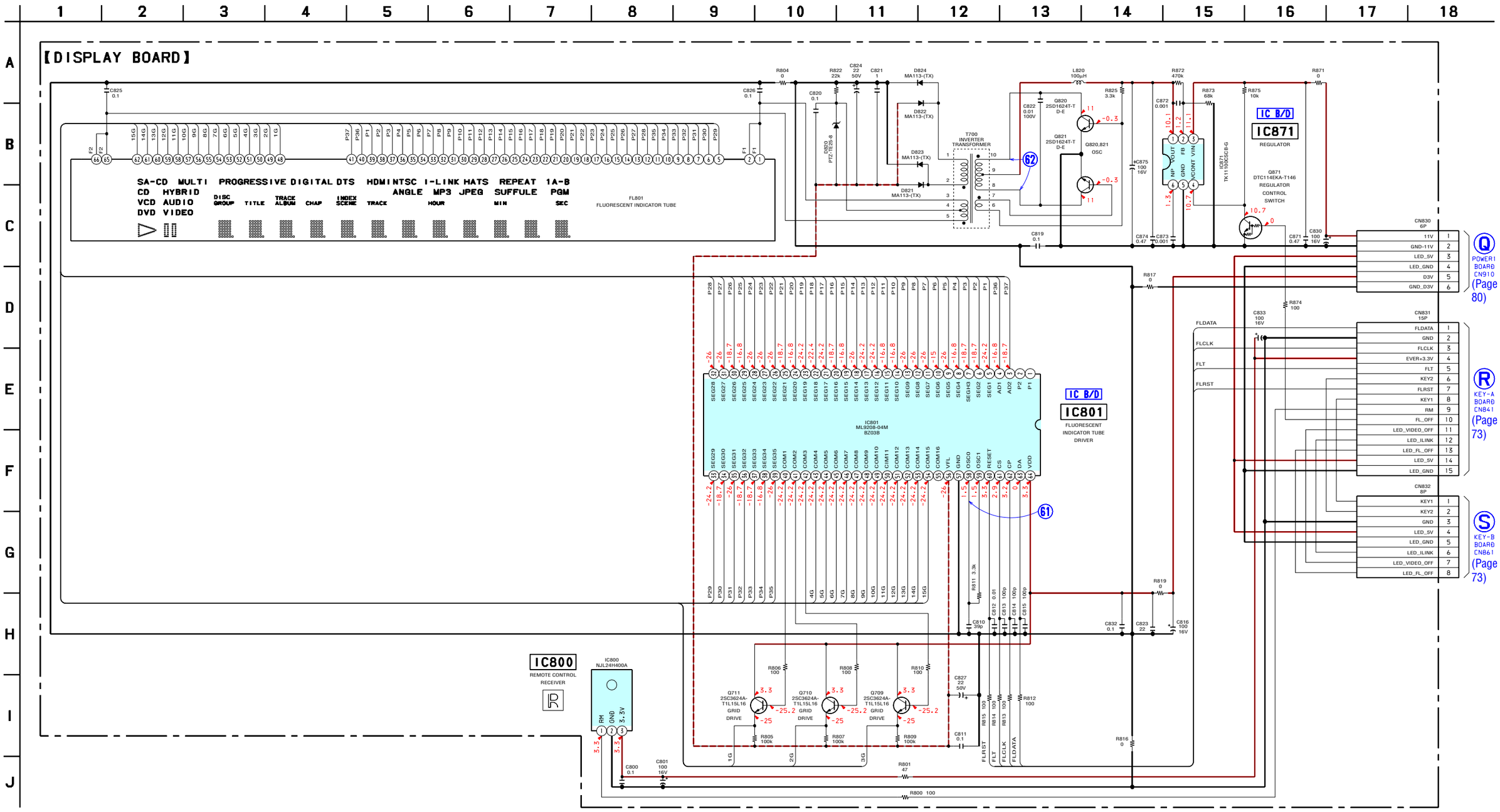


- **Semiconductor Location**

Ref. No.	Location
D820	F-3
D821	F-1
D822	F-2
D823	F-1
D824	F-2
IC800	F-14
IC801	F-8
IC871	A-3
Q709	E-10
Q710	E-10
Q711	E-9
Q820	F-2
Q821	G-2
Q871	A-3

7-43. SCHEMATIC DIAGRAM – DISPLAY Board –

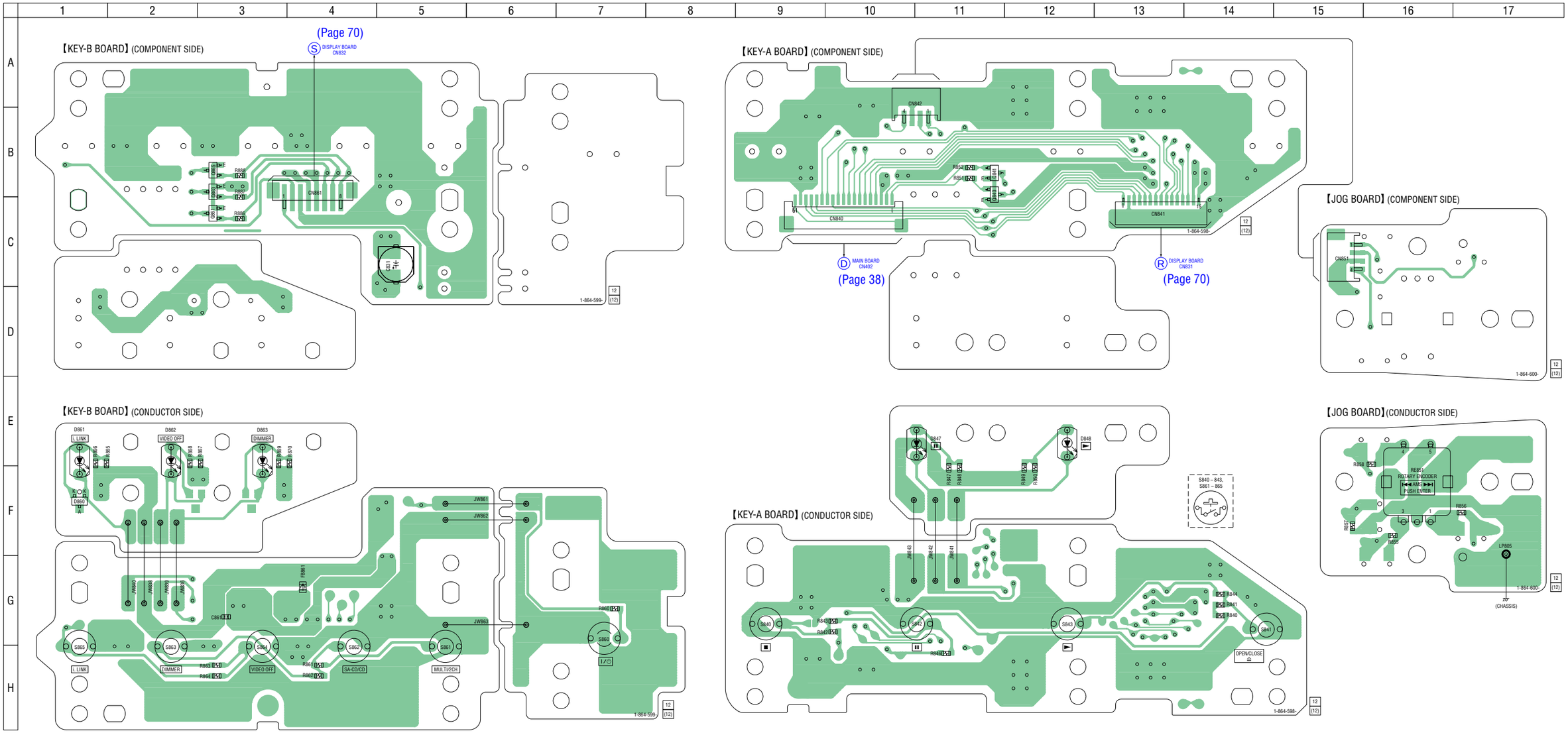
• See page 81 for Waveforms. • See page 82 for IC Block Diagrams.



7-44. PRINTED WIRING BOARDS – KEY Section –

• See page 35 for Circuit Boards Location.

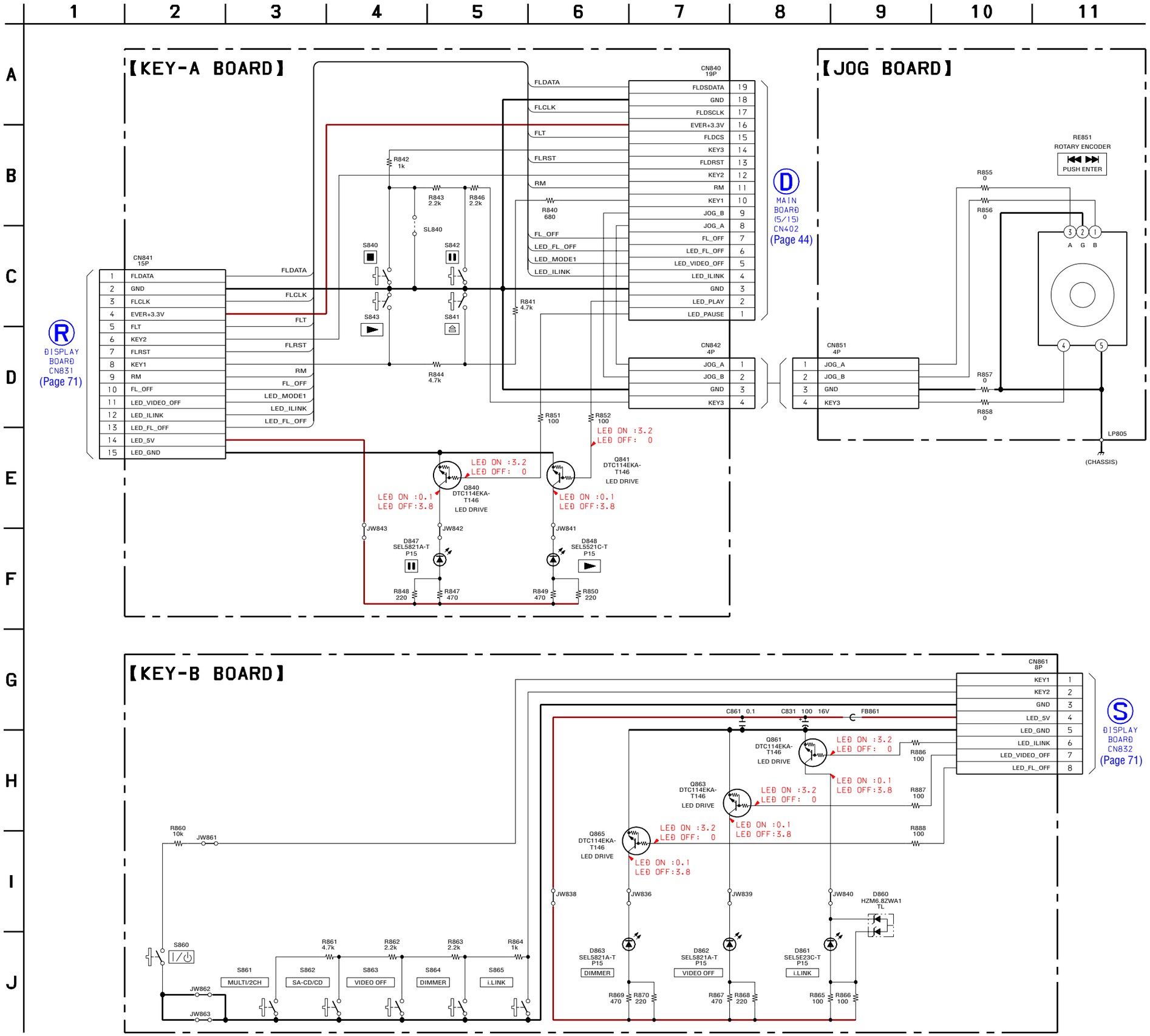
: Uses unleaded solder.



- **Semiconductor Location**

Ref. No.	Location
D847	E-11
D848	E-12
D860	F-1
D861	E-1
D862	E-2
D863	E-3
Q840	B-10
Q841	B-11
Q861	C-3
Q863	B-3
Q865	B-3

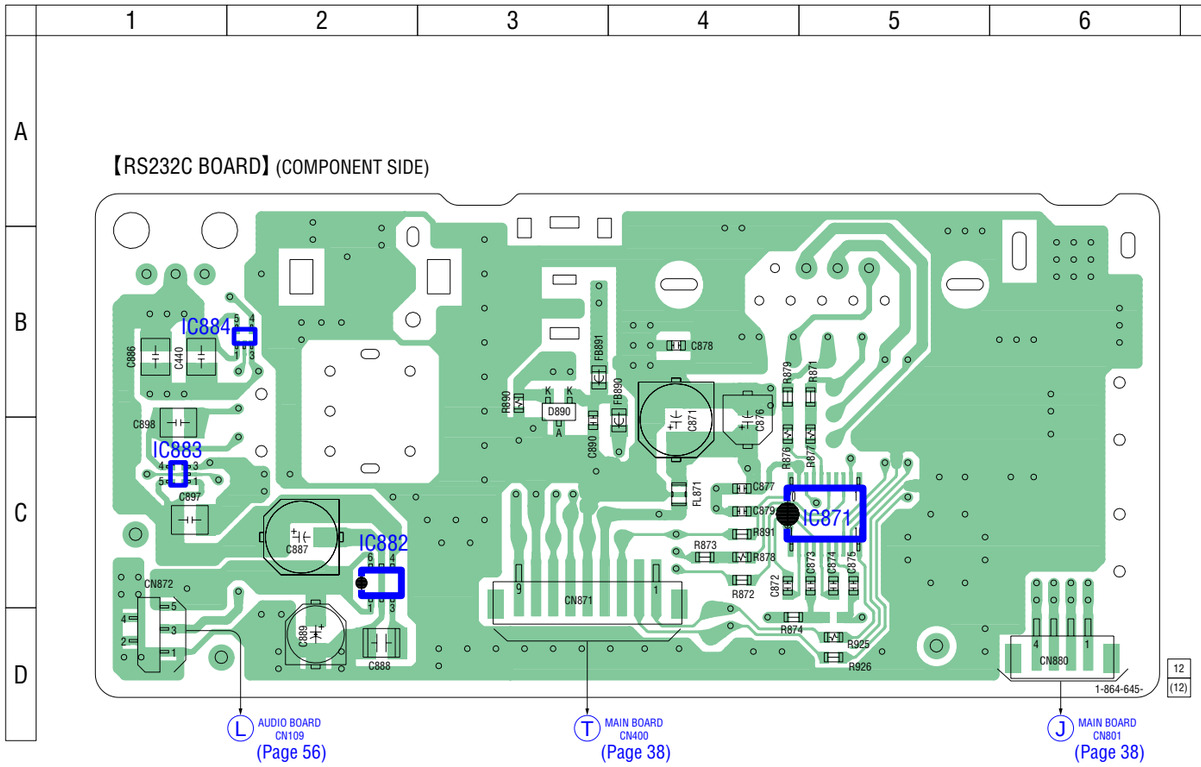
7-45. SCHEMATIC DIAGRAM – KEY Section –

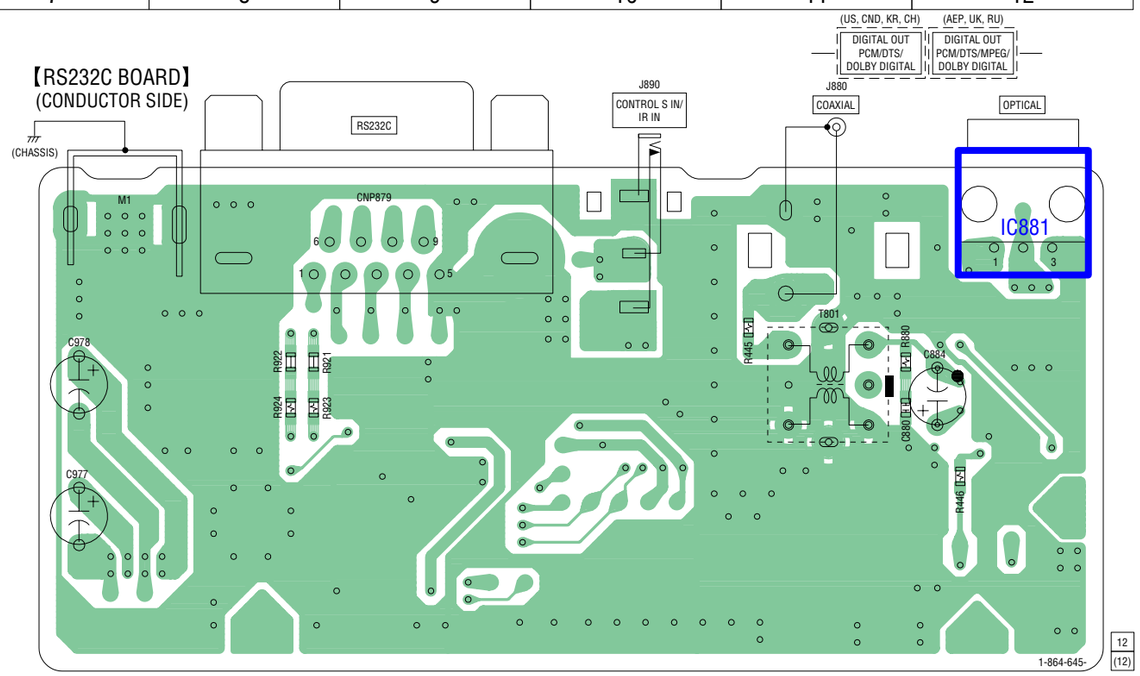


7-46. PRINTED WIRING BOARD – RS232C Board –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.



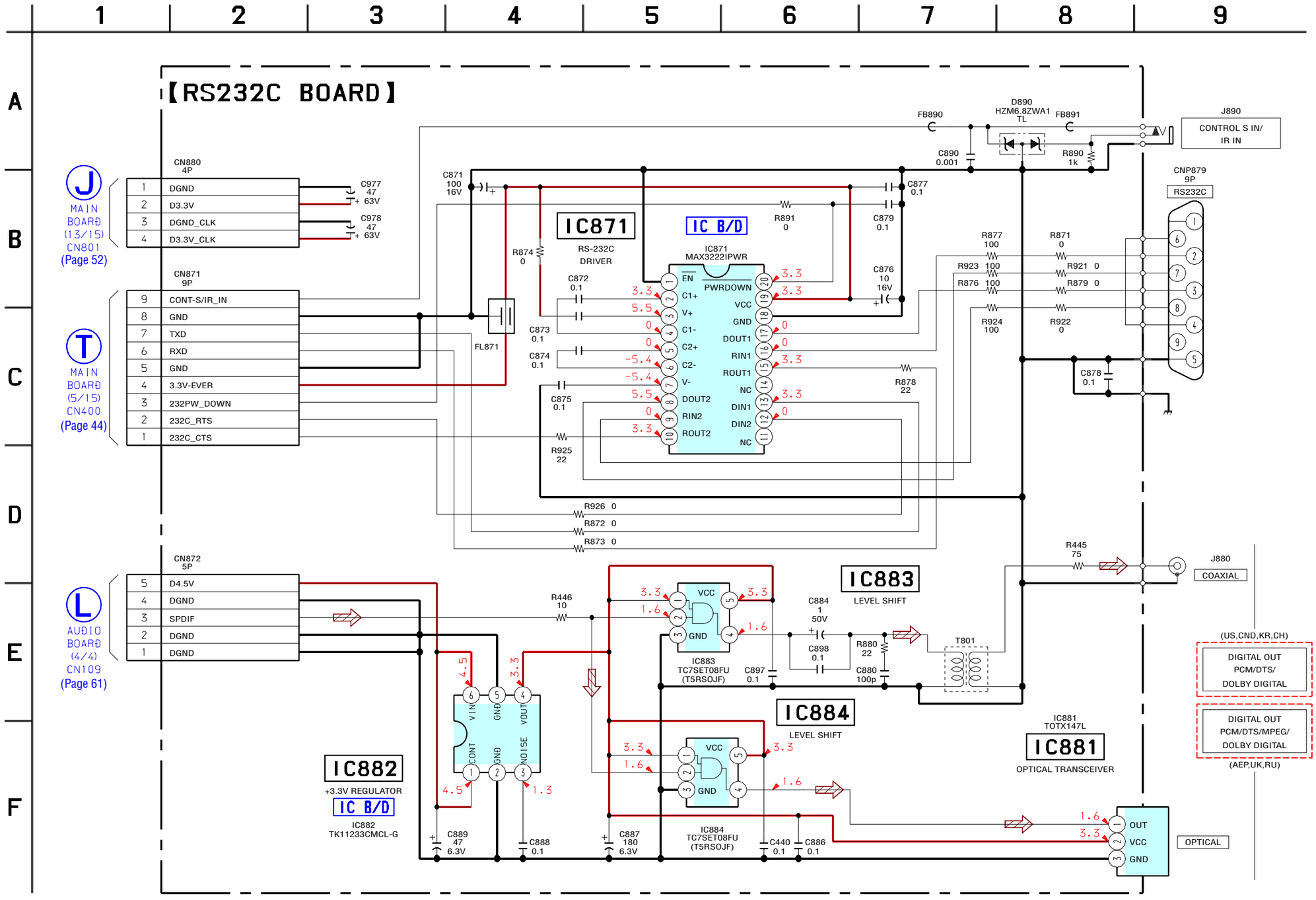


- **Semiconductor Location**

Ref. No.	Location
D890	B-3
IC871	C-5
IC881	B-12
IC882	C-2
IC883	C-1
IC884	B-2

7-47. SCHEMATIC DIAGRAM – RS232C Board –

• See page 82 for IC Block Diagrams.

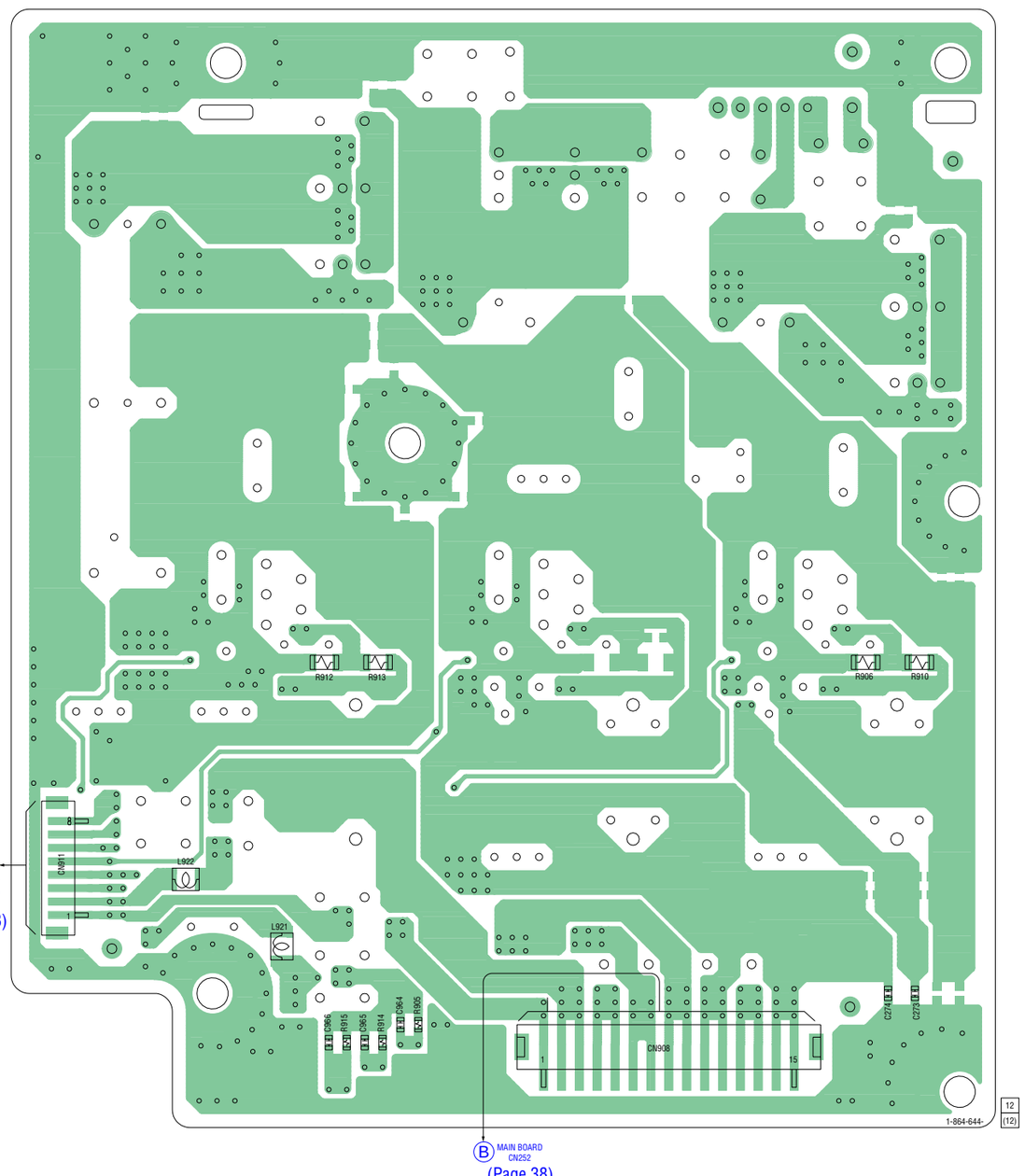


7-48. PRINTED WIRING BOARD – POWER2 Board –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

【POWER2 BOARD 】(COMPONENT SIDE)



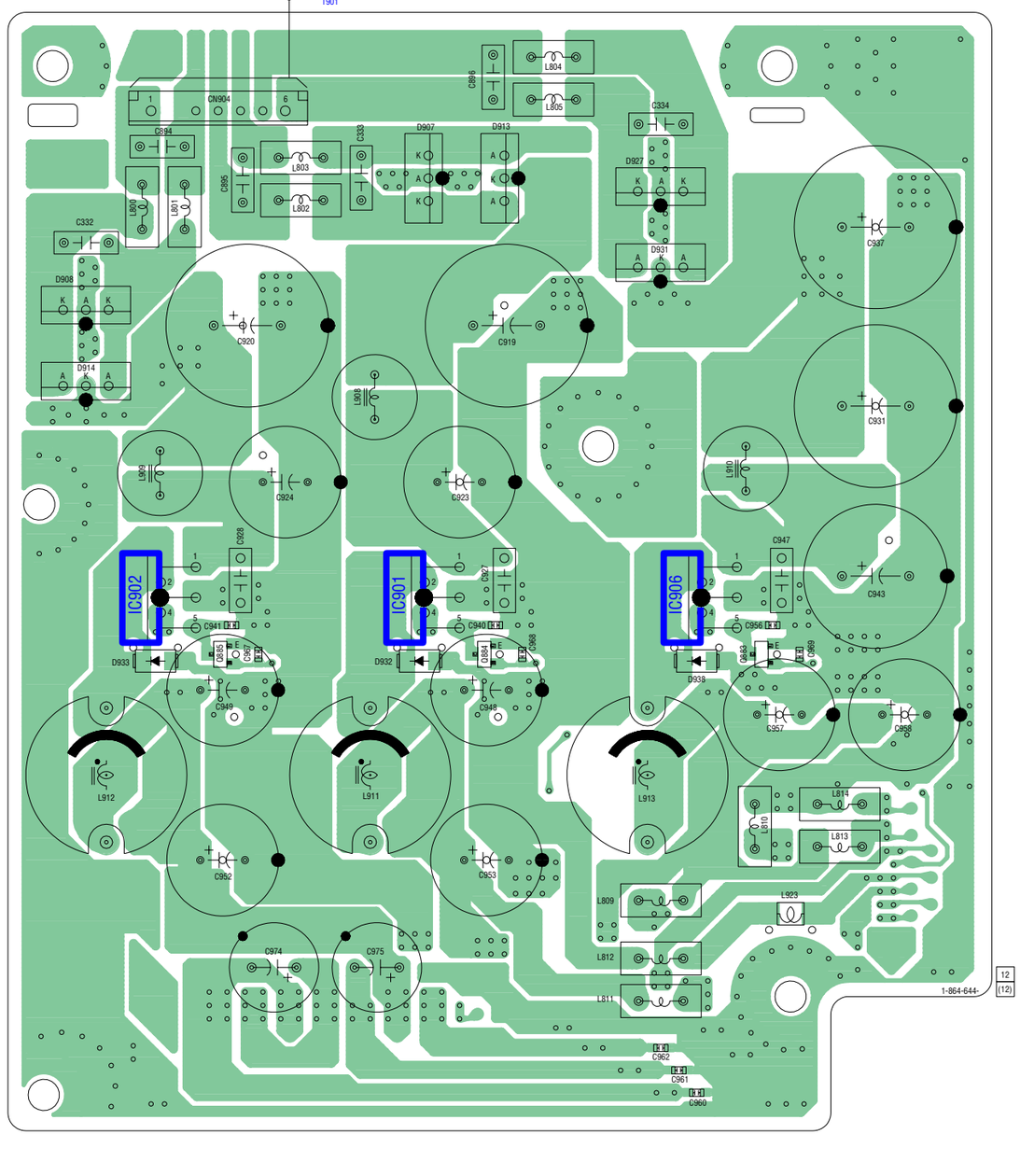
U POWER1 BOARD CN113 (Page 78)

B MAIN BOARD CN252 (Page 38)

【POWER2 BOARD】(CONDUCTOR SIDE)

(Page 79)

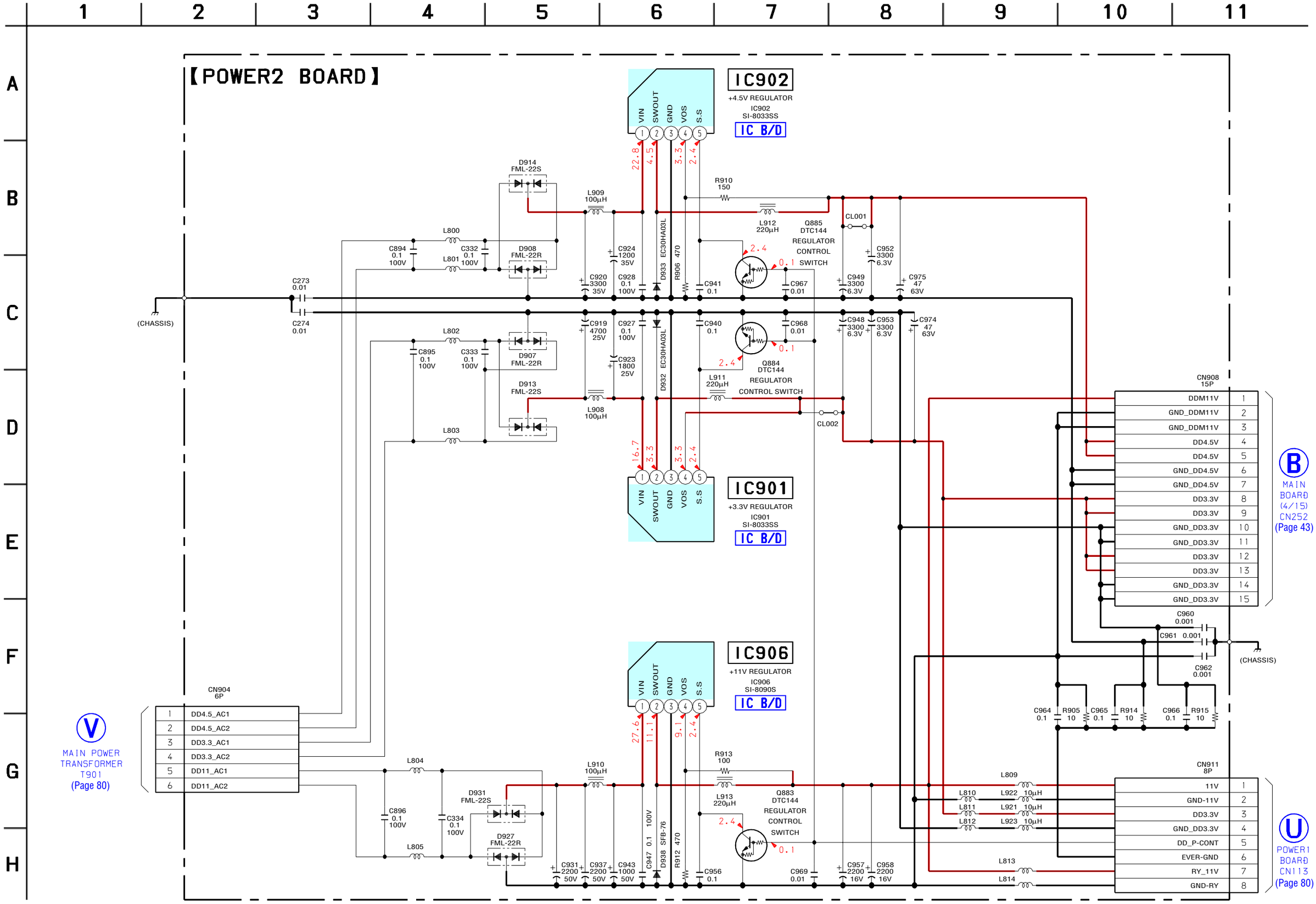
V MAIN POWER TRANSFORMER T901



- **Semiconductor Location**

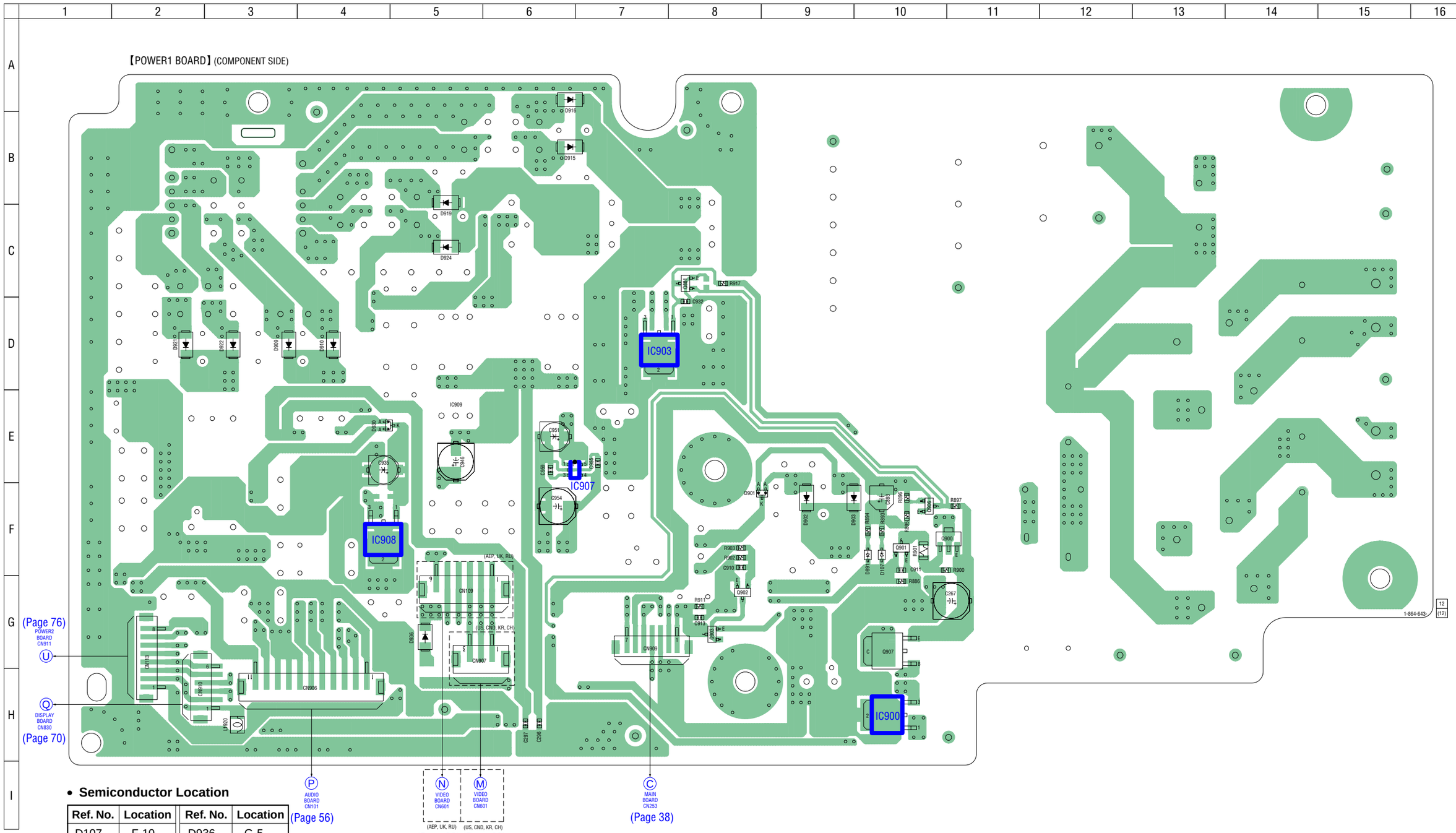
Ref. No.	Location	Ref. No.	Location
D907	B-11	IC901	E-11
D908	C-9	IC902	E-9
D913	B-12	IC906	E-13
D914	D-9		
D927	B-13	Q883	E-13
D931	C-13	Q884	E-12
D932	E-11	Q885	E-10
D933	E-9		
D938	E-13		

7-49. SCHEMATIC DIAGRAM – POWER2 Board – • See page 82 for IC Block Diagrams.



7-50. PRINTED WIRING BOARD – POWER1 Board (Component Side) –

• See page 35 for Circuit Boards Location. : Uses unleaded solder.

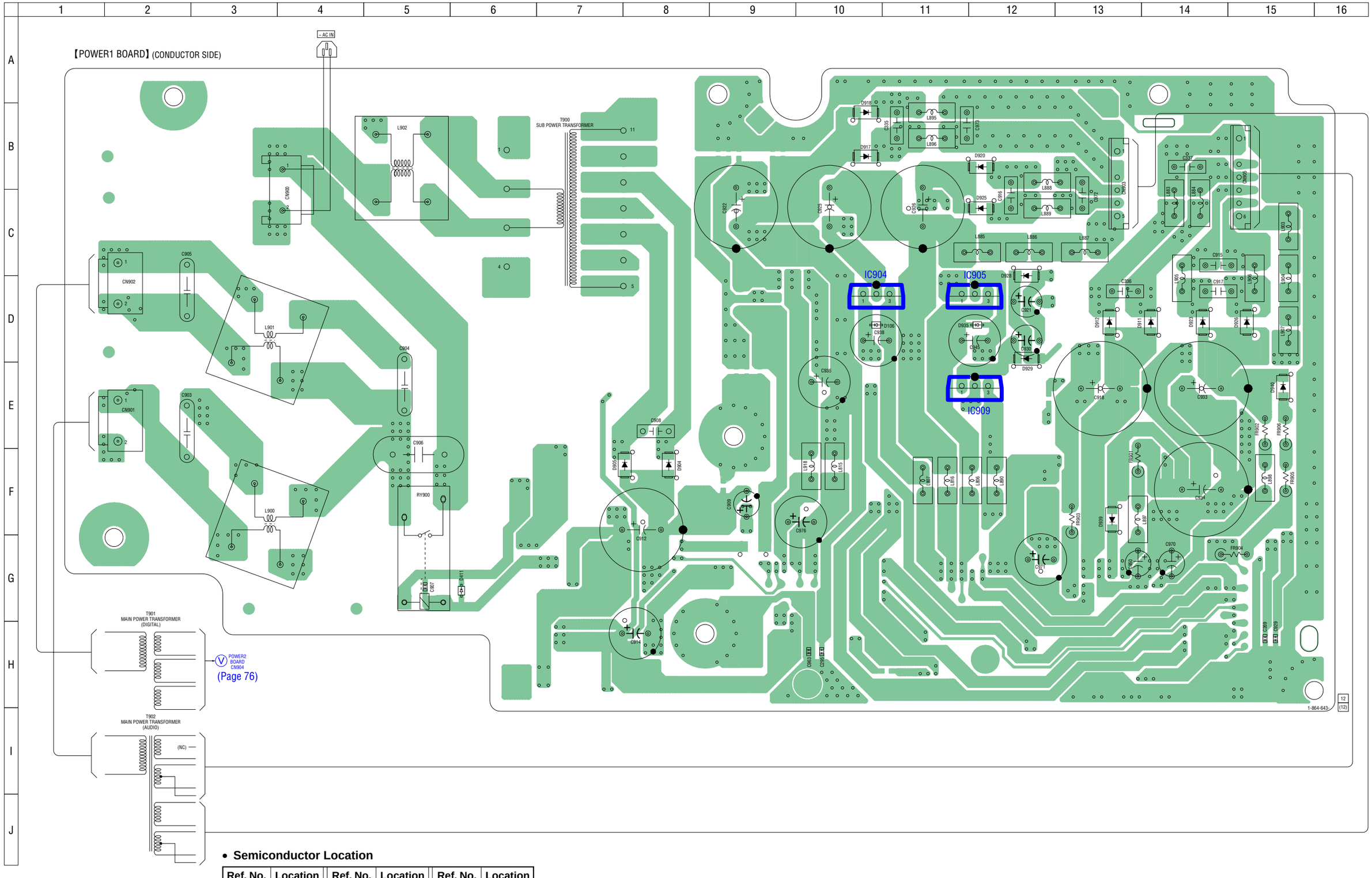


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D107	F-10	D936	G-5
D891	F-10		
D901	F-9	IC900	H-10
D902	F-9	IC903	D-7
D903	F-9	IC907	E-6
D909	D-3	IC908	F-4
D910	D-4		
D915	B-6	Q881	C-8
D916	A-6	Q900	F-11
D919	B-5	Q901	F-10
D921	D-2	Q902	G-8
D922	D-3	Q903	G-8
D924	C-5	Q906	F-10
D930	E-4	Q907	G-10

7-51. PRINTED WIRING BOARD – POWER1 Board (Conductor Side) –

• See page 35 for Circuit Boards Location. : Uses unleaded solder.

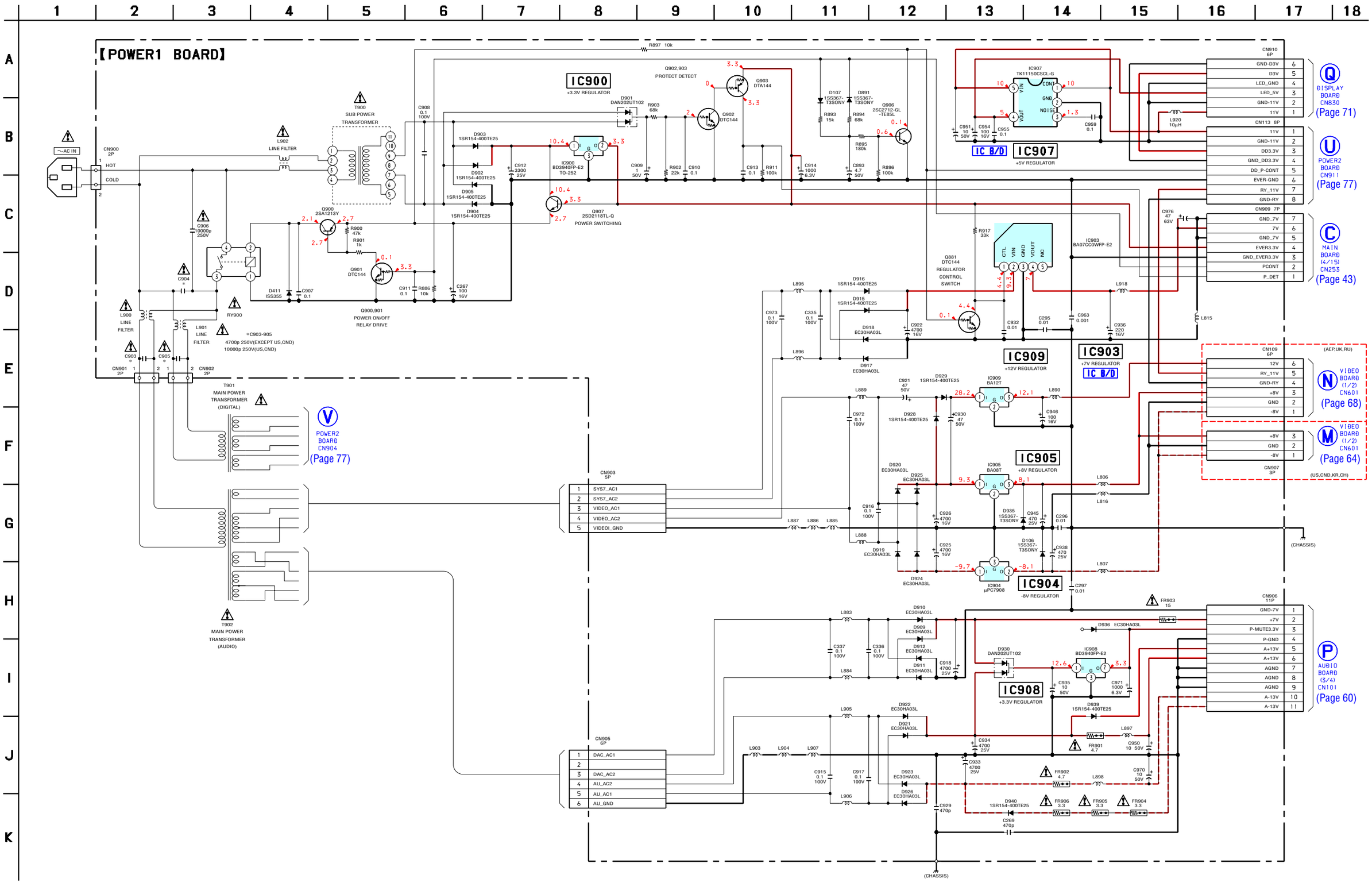


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D106	D-10	D918	B-10	D935	D-12
D411	G-6	D920	B-12	D939	F-13
D904	F-8	D923	D-14	D940	E-15
D905	F-8	D925	C-12		
D911	D-14	D926	D-15	IC904	D-10
D912	D-13	D928	C-12	IC905	D-12
D917	B-10	D929	D-12	IC909	E-12

7-52. SCHEMATIC DIAGRAM – POWER1 Board –

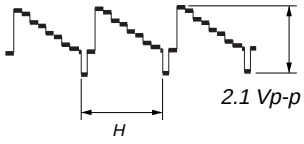
• See page 82 for IC Block Diagrams.



• **Waveforms**

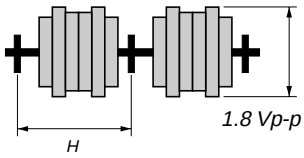
– VIDEO Board – (US, Canadian, Korean, Chinese models)

(41) IC461 ①, ⑦ (Color bar)



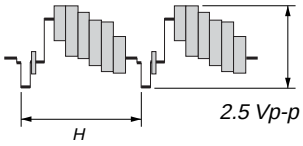
1 V/DIV, 20 µs/DIV

(42) IC471 ①, ⑦ (Color bar)



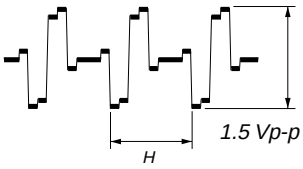
1 V/DIV, 20 µs/DIV

(43) IC481 ①, ⑦ (Color bar)



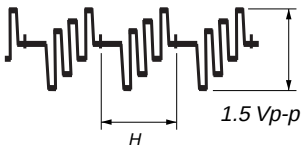
1 V/DIV, 20 µs/DIV

(44) IC661 ⑦ (Color bar)



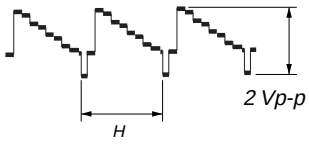
500 mV/DIV, 20 µs/DIV

(45) IC641 ⑦ (Color bar)



500 mV/DIV, 20 µs/DIV

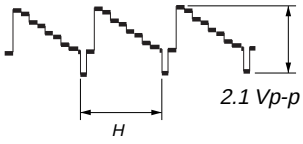
(46) IC621 ⑦ (Color bar)



1 V/DIV, 20 µs/DIV

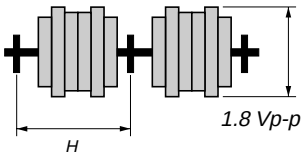
– VIDEO Board – (AEP, UK, Russian models)

(51) IC531 ① (Color bar)



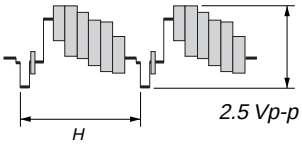
1 V/DIV, 20 µs/DIV

(52) IC521 ① (Color bar)



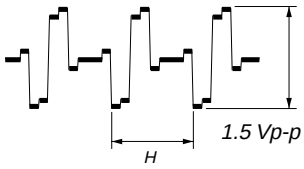
1 V/DIV, 20 µs/DIV

(53) IC541 ① (Color bar)



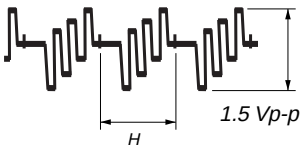
1 V/DIV, 20 µs/DIV

(54) IC661 ① (Color bar)



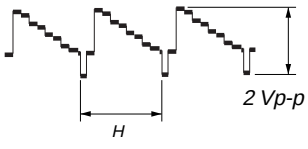
500 mV/DIV, 20 µs/DIV

(55) IC641 ① (Color bar)



500 mV/DIV, 20 µs/DIV

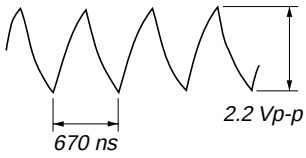
(56) IC621 ① (Color bar)



1 V/DIV, 20 µs/DIV

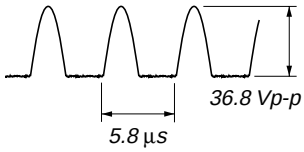
– DISPLAY Board –

(61) IC801 ㊽ (OSC0)



1 V/DIV, 200 ns/DIV

(62) Q820, 821 (Collector)

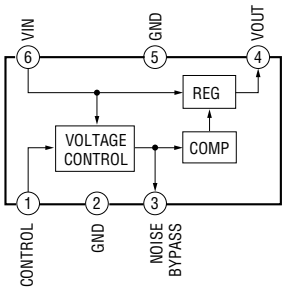


20 V/DIV, 5 µs/DIV

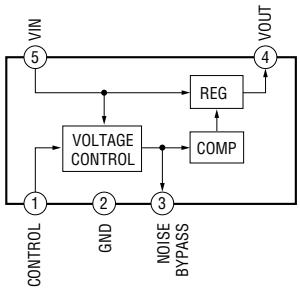
- **IC Block Diagrams**

– MAIN Board –

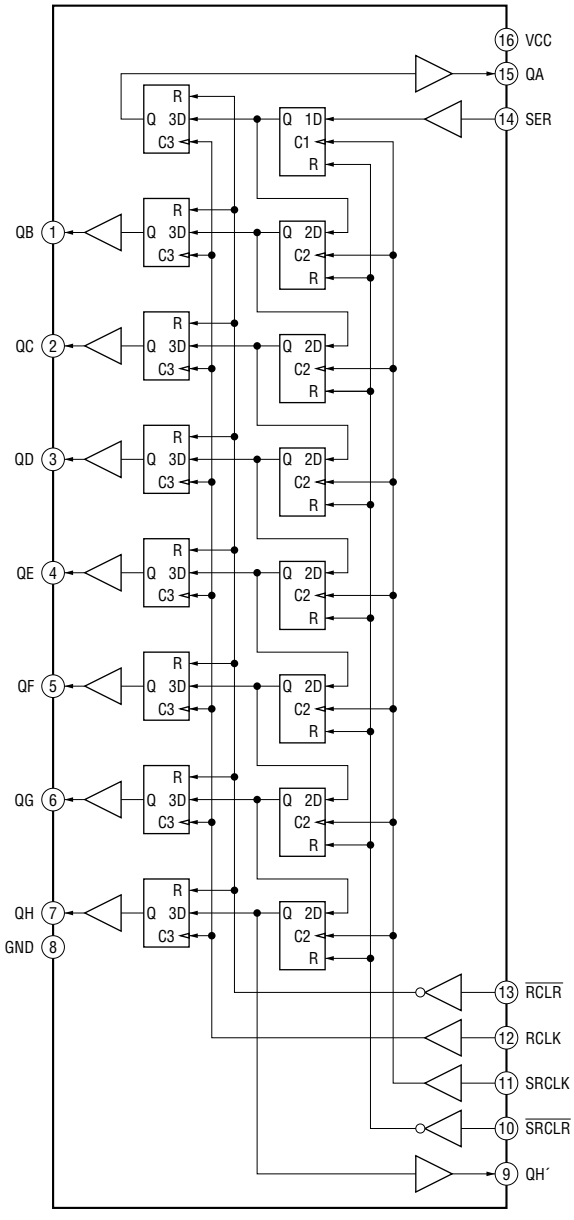
IC118, 618 TK11218CMCL-G
IC150 TK11250CMCL-G
IC233, 803, 813, 833 TK11233CMCL-G
IC625 TK11225CMCL-G



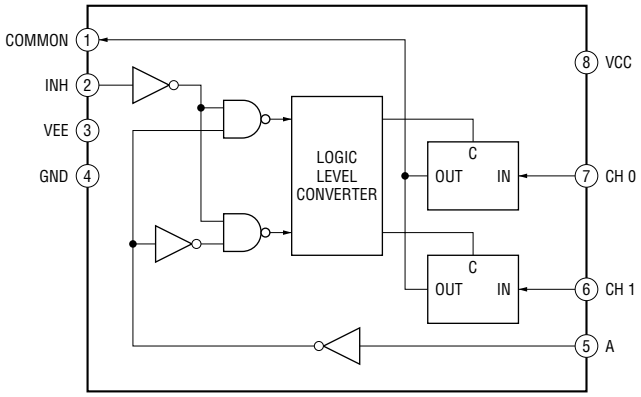
IC218, 308, 508, 518, 628, 718 TK11118CSCL-G
IC623, 643, 723, 733 TK11133CSCL-G
IC650 TK11150CSCL-G
IC725 TK11125CSCL-G
IC933 TK11134CSCL-G



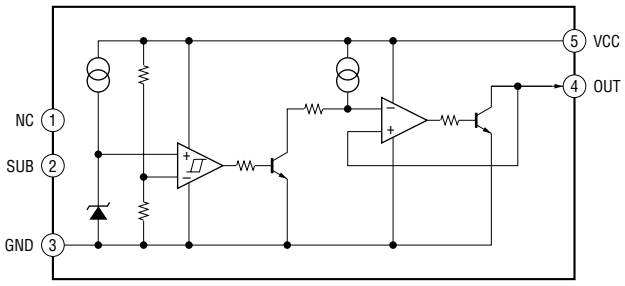
IC257 SN74LV594APWR



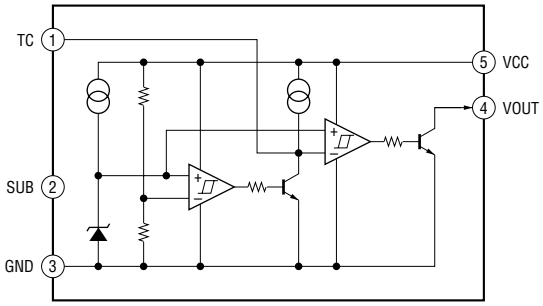
IC402 TC7W53FU (TE12R)



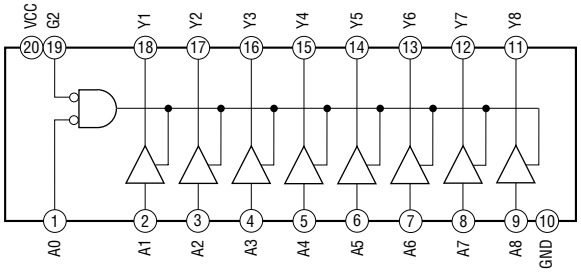
IC405 PST9127NL



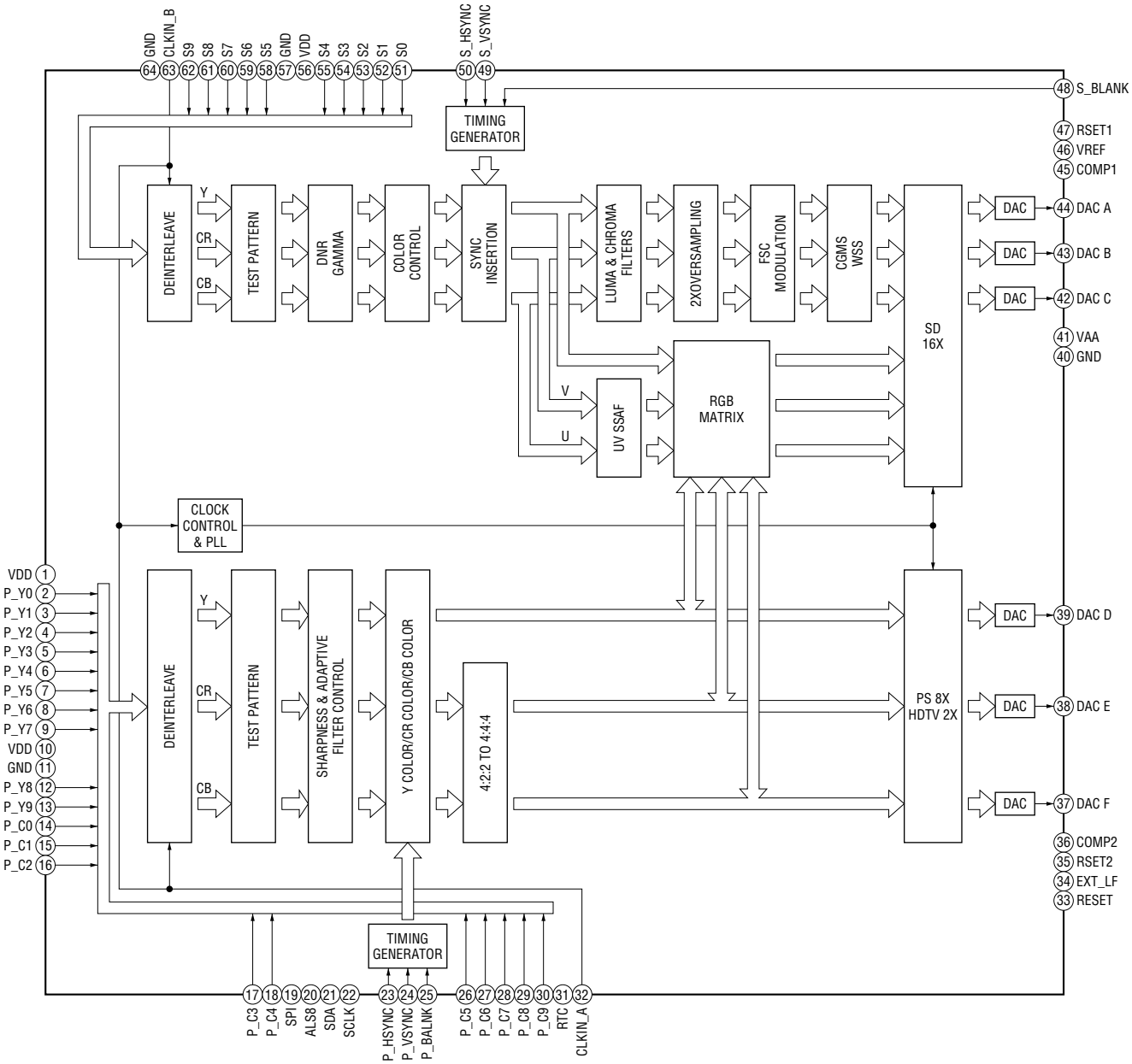
IC406, 407 PST9228NL



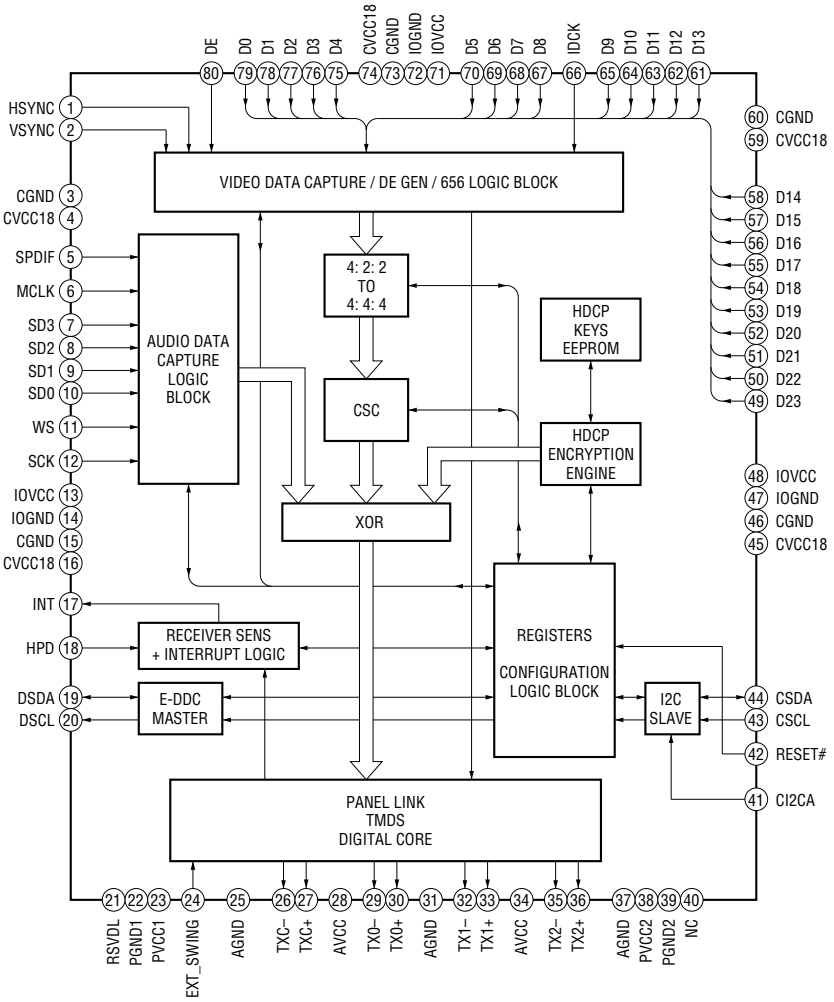
IC504, 554, 556, 921 SN74LV541APWR



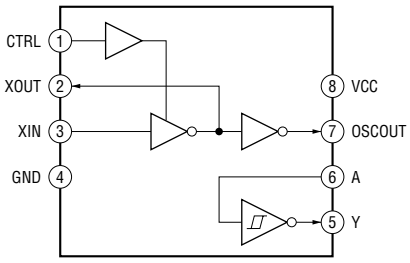
IC606 ADV7324KSTZ



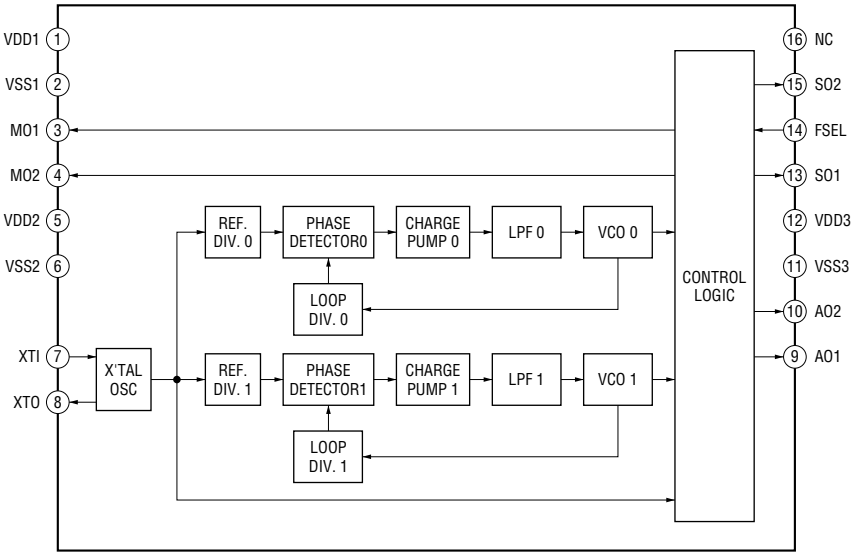
IC607 SII9030CTU-1.1



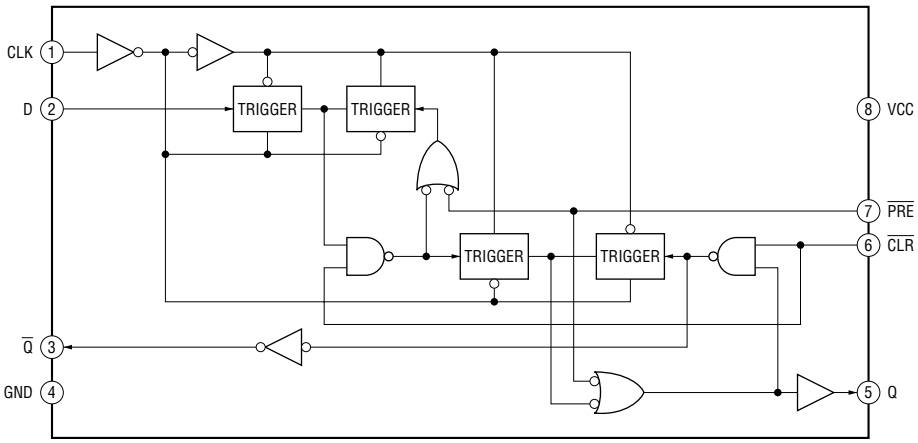
IC802 SN74LVC1404DCTRE6



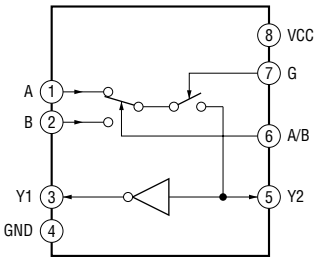
IC911 SM8707EV-G-E2



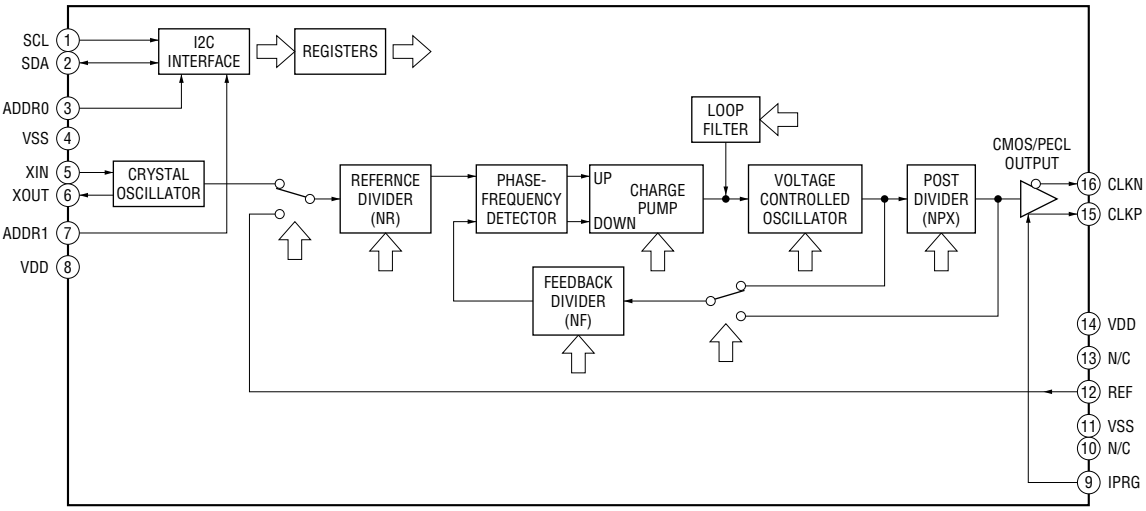
IC912, 915, 916 SN74LVC2G74DCUR



IC913 SN74LVC2G157DCUR

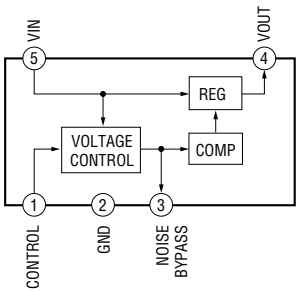


IC914 FS7140-01G

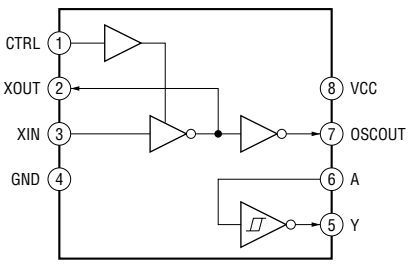


– AUDIO Board –

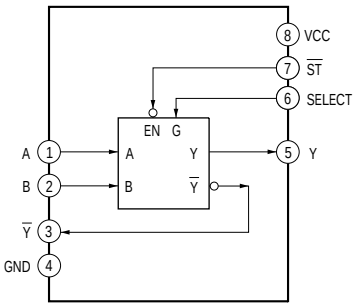
IC103 TK11133CSCL-G
IC108 TK11150CSCL-G



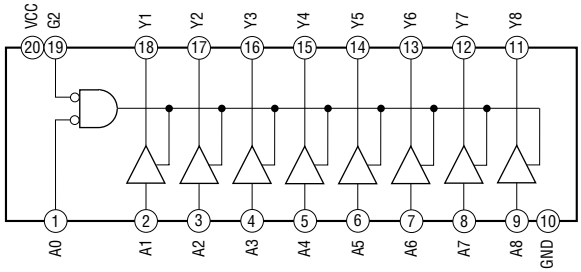
IC104 SN74LVC1404DCTRE6



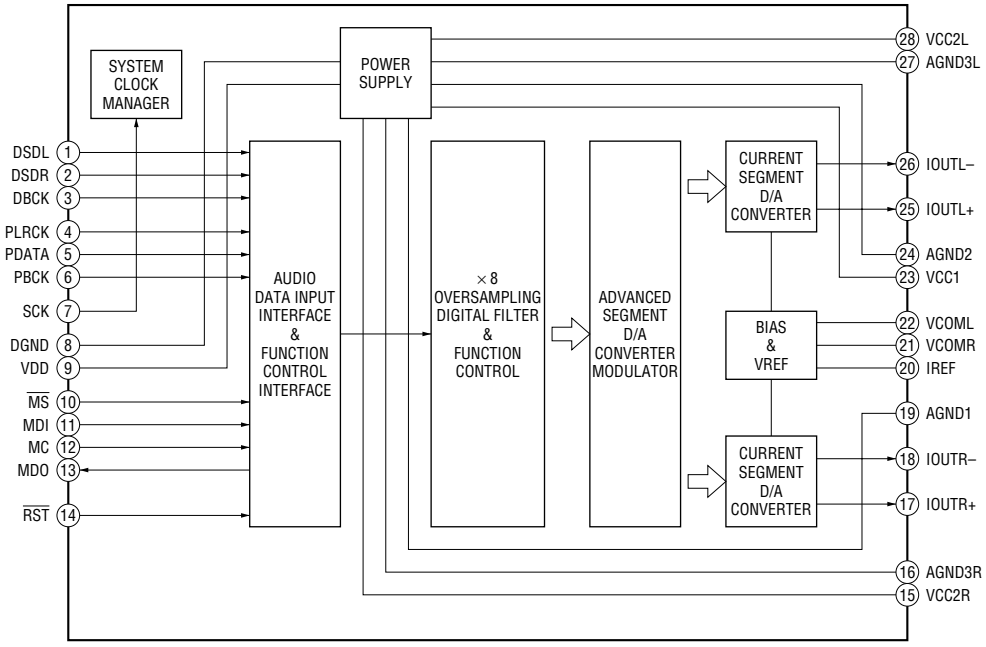
IC105 TC7WH157FK (TE85R)



IC106, 107, 109, 110 SN74LV541APWR

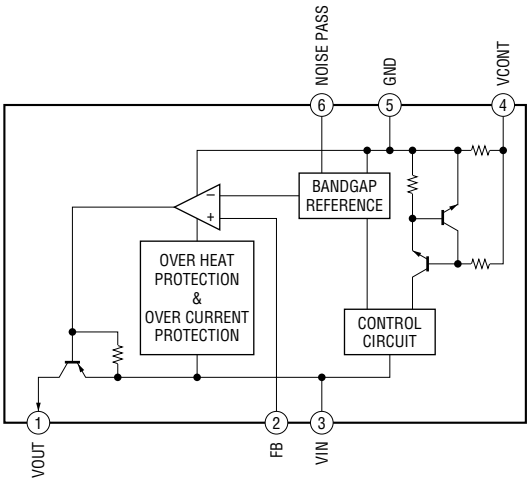


IC111, 115, 119, 123 DSD1796DBR

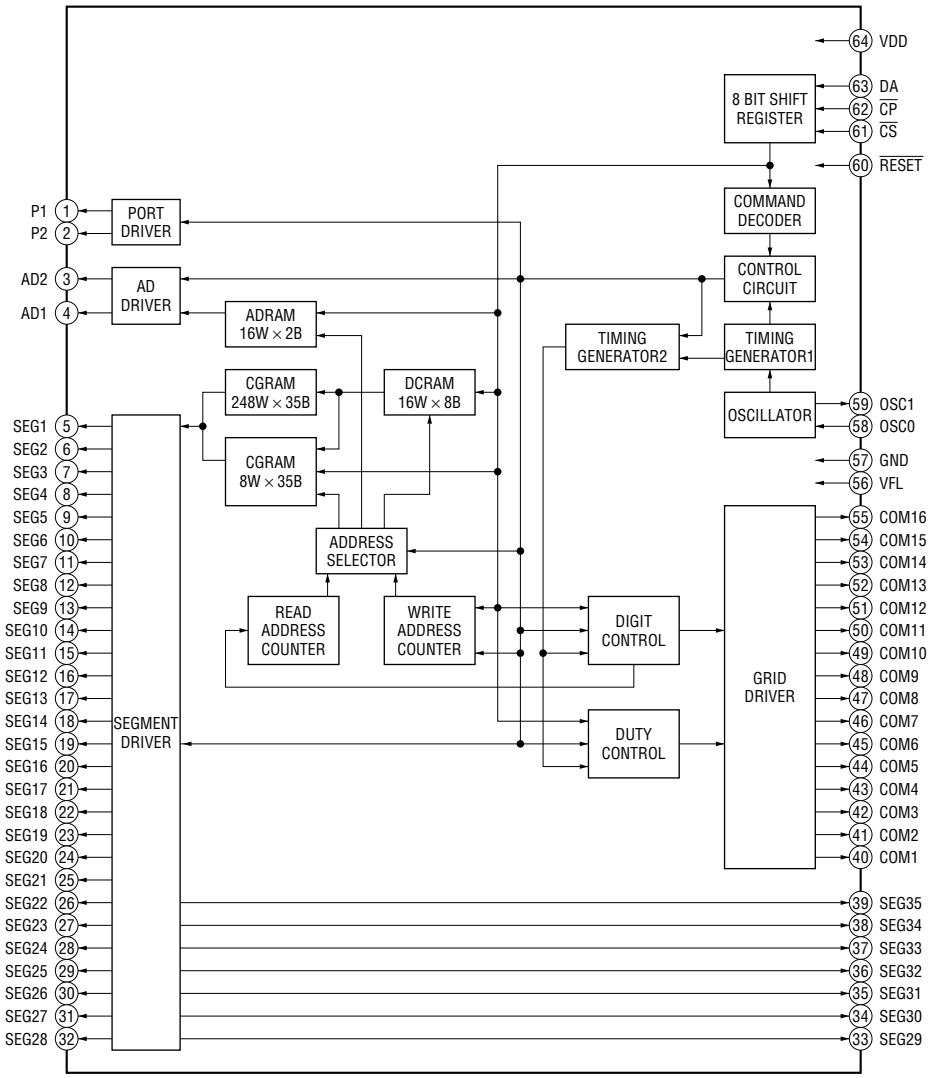


– DISPLAY Board –

IC871 TK11100CSCB-G

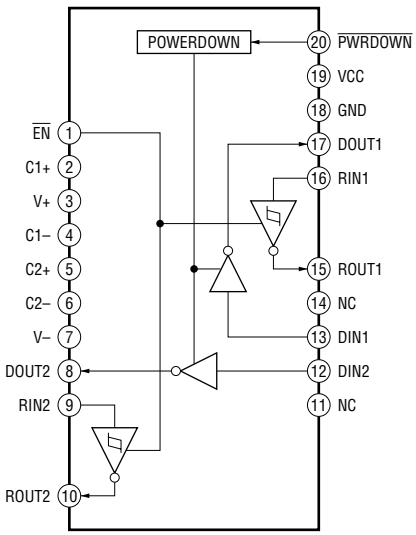


IC801 ML9208-04MBZ03B

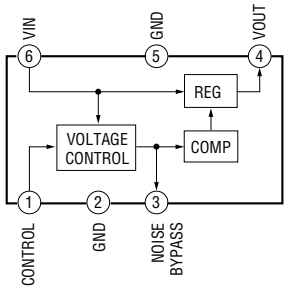


– RS232C Board –

IC871 MAX3222IPWR

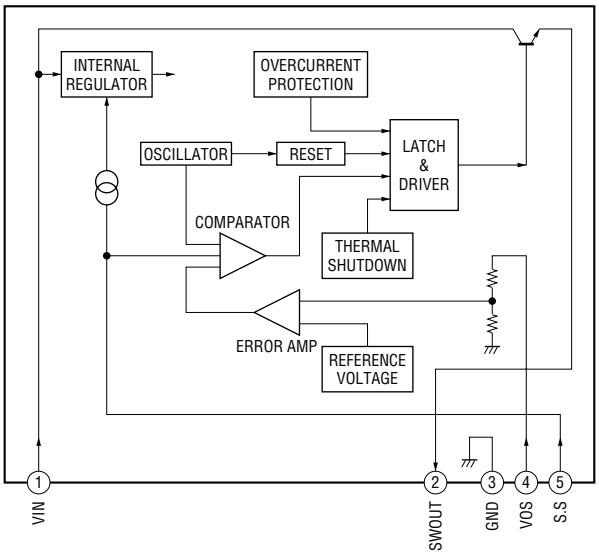


IC882 TK11233CMCL-G

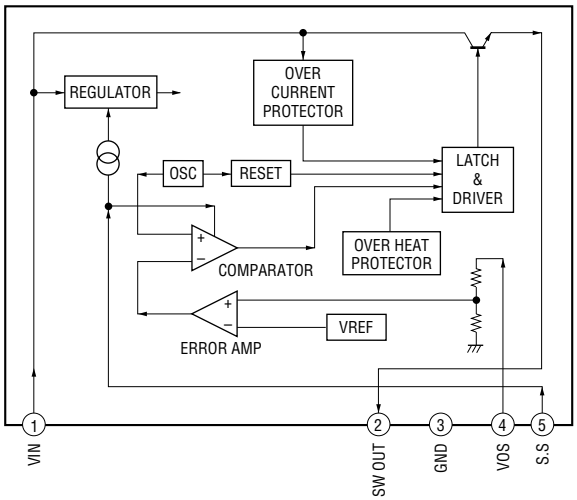


– POWER2 Board –

IC901, 902 SI-8033SS

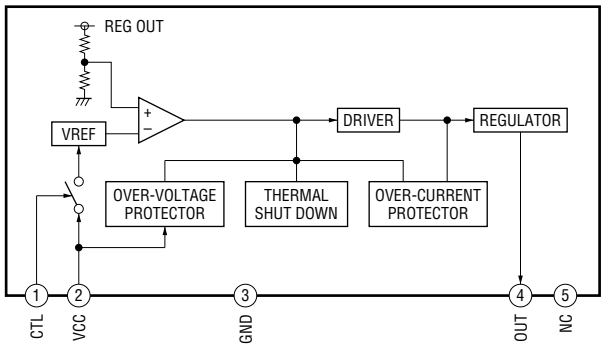


IC906 SI-8090S

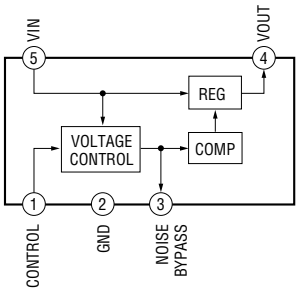


– POWER1 Board –

IC903 BA07CC0WFP-E2



IC907 TK11150CSCL-G



- **IC Pin Function Description**

MAIN BOARD IC105 STE6317ATXXY (DVD INTERFACE)

Pin No.	Pin Name	I/O	Description
1	IREF	I	Connected to the ground
2	GNDAI	-	Ground terminal (analog system)
3	RFIN	I	RF path data input terminal (after AC coupling)
4	RFOUT	O	RF path data output terminal (before AC coupling)
5	VCC18	-	Power supply terminal (+1.8V) (analog system)
6	A	I	A signal input from the optical traverse unit
7	GNDMN	-	Ground terminal (analog system)
8	B	I	B signal input from the optical traverse unit
9	VCC33MN	-	Power supply terminal (+3.3V) (analog system)
10	REFD	O	Reference voltage output to the optical traverse unit (+2.1V) (for laser diode)
11	VCC18MN	-	Power supply terminal (+1.8V) (analog system)
12	D	I	D signal input from the optical traverse unit
13	VCC18IS	-	Power supply terminal (+1.8V) (analog system)
14	C	I	C signal input from the optical traverse unit
15	VCC33IS	-	Power supply terminal (+3.3V) (analog system)
16	GNDAIS	-	Ground terminal (analog system)
17	VCC33SD	-	Power supply terminal (+3.3V) (analog system)
18	VCC18SD	-	Power supply terminal (+1.8V) (analog system)
19	GNDSD	-	Ground terminal
20	F	I	F signal input from the optical traverse unit
21	E	I	E signal input from the optical traverse unit
22	VSHIELDIS	-	Ground terminal (analog system)
23	VCC18ADC	-	Power supply terminal (+1.8V) (analog system)
24	GNDADC	-	Ground terminal (analog system)
25	VSHIELDADC	-	Ground terminal (analog system)
26	VCC33ADC	-	Power supply terminal (+3.3V) (analog system)
27	GNDDAC	-	Ground terminal (analog system)
28	DISC	O	Sled motor drive signal output terminal
29	SLED	O	Sled motor drive signal output terminal
30	REFEXT	I	Connected to the ground
31	REFGND	-	Ground terminal
32	REF	O	Reference voltage output terminal (+2.7V) (for D/A converter)
33	FACT	O	Focus coil drive signal output terminal
34	TACT	O	Tracking coil drive signal output terminal
35	VCC18DAC	-	Power supply terminal (+1.8V) (analog system)
36	MUTE_SP	O	Muting on/off control signal output to the spindle motor driver "L": muting on
37	MUTE_DRV	O	Muting on/off control signal output to the focus/tracking coil driver and sled motor driver "L": muting on
38, 39	FIN, RIN	O	Loading motor drive signal output terminal "L": motor off Not used
40	INSW	I	Disc tray close detection signal input terminal "L": Disc tray is closed Fixed at "L" in this set
41	VSS	-	Ground terminal (digital system)
42	VDD33	-	Power supply terminal (+3.3V) (digital system)
43	DVD/CD	O	DVD/CD selection signal output to the optical traverse unit "L": CD, "H": DVD
44	SP	O	Spindle motor drive PWM signal output terminal
45	INLIM	I	Limit in detection signal input from the optical traverse unit The optical pick-up is inner position when "H"

Pin No.	Pin Name	I/O	Description
46	OUTSW	I	Disc tray open detection signal input terminal "H": Disc tray is closed Fixed at "H" in this set
47	DGND	-	Ground terminal (digital system)
48	VDD18	-	Power supply terminal (+1.8V) (digital system)
49, 50	PD (6), PD (5)	O	Internal signal monitor output terminal Not used
51	DSPCLK	O	Internal signal monitor output terminal Not used
52	DSPDAT	O	Internal signal monitor output terminal Not used
53	DSPSTRB	O	Internal signal monitor output terminal Not used
54, 55	PD (1), PD (0)	O	Internal PDM signal monitor output terminal Not used
56	VSS	-	Ground terminal (digital system)
57	VDD33	-	Power supply terminal (+3.3V) (digital system)
58	OUT-ERR	O	Error signal output to the CPU
59	OUT-EVALID	O	Word clock signal output to the CPU
60	VSS	-	Ground terminal (digital system)
61	OUT-CLK	O	Bit clock signal output to the CPU
62	VDD18	-	Power supply terminal (+1.8V) (digital system)
63	OUT-DVALID	O	PCLK signal output to the CPU
64	OUT-DATA	O	Serial audio/video data output to the CPU
65	OUT-SYNC	O	Error signal and V4 signal output to the CPU
66	SCL	I	I2C bus clock signal input from the CPU
67	SDA	I/O	I2C two-way data bus with the CPU, interlace/progressive converter and video decoder
68, 69	PE (3), PE (2)	-	Not used
70	SPDIR	I	Spindle motor rotation direction detection signal input from spindle motor driver "L": reverse direction, "H": forward direction
71	IRQ_FE	O	Interrupt request signal output to the CPU
72	VSS	-	Ground terminal (digital system)
73	VDD33	-	Power supply terminal (+3.3V) (digital system)
74	PF (1)	O	Internal signal monitor output terminal Not used
75	DSPSTRB2	O	Internal signal monitor output terminal Not used
76	VSS	-	Ground terminal (digital system)
77	VDD18	-	Power supply terminal (+1.8V) (digital system)
78	PG (1)	I	Boot mode selection mode signal input terminal "L": standalone mode, "H": EMU mode Fixed at "L" in this set
79	PG (0)	I	Boot mode selection mode signal input terminal "H": standalone/EMU mode Fixed at "H" in this set
80	TEST	I	Input terminal for the test
81	RESET-N	I	Reset signal input from the CPU "L": reset
82	VSSADC	-	Ground terminal (analog system)
83	VDD18ADC	-	Power supply terminal (+1.8V) (analog system)
84	GNDPLL	-	Ground terminal (analog system)
85	CKOUT	-	Not used
86	FREOUT	-	Not used
87	FREIN	I	27 MHz clock signal input from clock generator
88	VCC18PLL	-	Power supply terminal (+1.8V) (analog system)
89	LD1	O	Laser diode control signal (for DVD) output terminal
90	LD2	O	Laser diode control signal (for CD) output terminal
91	VCCA33	-	Power supply terminal (+3.3V) (analog system)
92	TWINSEL	I	Connected to the ground

Pin No.	Pin Name	I/O	Description
93, 94	LMD1, LMD2	I	Laser diode monitor input from the optical traverse unit
95	GNDL	-	Ground terminal (analog system)
96	TST-PM	O	Output terminal for the analog test
97	TST-SLICE	O	Output terminal for the analog test
98	TST-ADC	I	Not used
99	RFSACD	O	RF (for SACD) signal output to the SACD media player
100	VBGFILT	I	Connected to the ground through the capacitor

MAIN BOARD IC256 STE5588CVB (CPU)

Pin No.	Pin Name	I/O	Description
1	FUR_RST	O	Reset signal output to the SACD media player and i.link DSP "L": reset
2	DAC-PCMOUT3	O	PCM audio data (for down mix) output to the lip sync adjust
3	YC_CLKOUT	O	27 MHz clock signal output to the interlace/progressive converter
4	VDD3-3	-	Power supply terminal (+3.3V)
5	VSS	-	Ground terminal
6	I2S_DATA_OUT	O	I2S bus data output to the SACD media player
7	I2S_BCLK_OUT	O	I2S bus clock signal output to the SACD media player
8	I2S_BFLAG_OUT	O	I2S bus flag output to the SACD media player
9	VIDEO_RST	O	Reset signal output to the interlace/progressive converter, video encoder and HDMI transmitter "L": reset
10	RTS	I	UART flow control signal input terminal
11	BE_BUSY	O	Busy signal output to the system controller
12	CTS	O	UART flow control signal output terminal
13	BE_CS	I	Chip select signal input from the system controller
14	VDD1-8	-	Power supply terminal (+1.8V)
15	VSS	-	Ground terminal
16	B-DATA	I	Serial audio/video data input from the DVD interface
17	B-BCLK	I	Bit clock signal input from the DVD interface
18	B-FLAG	I	PCLK signal input from the DVD interface
19	B-SYNC	I	Error signal input from the DVD interface
20	WCLK	I	Word clock signal input from the DVD interface
21	B-V4	I	V4 signal input from the DVD interface
22	XRCLR	O	Clear signal output to the shift resister
23	VDD-RGB	-	Power supply terminal Not used
24	VSS-RGB	-	Ground terminal
25	B-OUT	O	RGB (blue) signal output terminal Not used
26	G-OUT	O	RGB (green) signal output terminal Not used
27	R-OUT	O	RGB (red) signal output terminal Not used
28	V-REF-RG	-	Reference voltage terminal
29	I-REF-RG	-	Reference current terminal
30	VDD-YCC	-	Power supply terminal Not used
31	VSS-YCC	-	Ground terminal
32	Y-OUT	O	Y signal output terminal Not used
33	C-OUT	O	Chroma signal output terminal Not used
34	VC-OUT	O	Component video signal output terminal Not used
35	V-REF-YC	-	Reference voltage terminal
36	I-REF-YC	-	Reference current terminal
37	VDD1-8	-	Power supply terminal (+1.8V)
38	VSS	-	Ground terminal
39 to 46	YC0 to YC 7	O	Digital video signal output to the interlace/progressive converter
47	VDD3-3	-	Power supply terminal (+3.3V)
48	VDD-PCM	-	Power supply terminal (+1.8V)
49	VSS-PCM	-	Ground terminal
50	VSS	-	Ground terminal
51	DAC-SCLK	O	Bit clock signal output to the D/A converter, lip sync adjust, HDMI transmitter and i.link interface
52	DAC-PCMOUT0	O	PCM audio data (for front) output to the lip sync adjust

Pin No.	Pin Name	I/O	Description
53	DAC-PCMOUT1	O	PCM audio data (for rear) output to the lip sync adjust
54	DAC-PCMOUT2	O	PCM audio data (for center and woofer) output to the lip sync adjust
55	DAC-PCMCLK	I	Master clock signal input from the clock generator
56	DAC-LRCLK	O	L/R sampling clock signal output to the D/A converter, lip sync adjust, HDMI transmitter and i.link interface
57	SPDIF-OUT	O	Digital audio data output to the lip sync adjust
58 to 63	SMI-ADR (4) to SMI-ADR (9)	O	Address signal output to the SD-RAM
64	VDD1-8	-	Power supply terminal (+1.8V)
65	VSS	-	Ground terminal
66 to 69	SMI-ADR (3) to SMI-ADR (0)	O	Address signal output to the SD-RAM
70 to 73	SMI-ADR (10) to SMI-ADR (13)	O	Address signal output to the SD-RAM
74	SMI-CS (0)	O	Chip select signal output to the SD-RAM
75	SMI-CS (1)	O	Chip select signal output terminal Not used
76	SMI-RAS	O	Row address signal output to the SD-RAM
77	SMI-CAS	O	Column address signal output to the SD-RAM
78	SMI-WE	O	Write enable signal output to the SD-RAM
79	SMI-DQML	O	Write mask signal output to the SD-RAM (lower byte)
80	SMI-DQMU	O	Write mask signal output to the SD-RAM (upper byte)
81	VDD3-3	-	Power supply terminal (+3.3V)
82	SMI-CLKIN	I	133 MHz clock signal input terminal
83	VSS	-	Ground terminal
84 to 93	SMI-DATA (0) to SMI-DATA (9)	I/O	Two-way data bus with the SD-RAM
94	VDD1-8	-	Power supply terminal (+1.8V)
95	SMI-CLKOUT	O	133 MHz clock signal output to the SD-RAM
96	VSS	-	Ground terminal
97 to 102	SMI-DATA (10) to SMI-DATA (15)	I/O	Two-way data bus with the SD-RAM
103	TMODE_SW	I	Test mode on/off control signal input from the system controller "H": test mode on
104	HDMI_+5V _CONT_BE	O	Power on/off control signal output terminal for HDMI section (+5V) Not used
105	RCLK	O	Clock signal output to the shift register
106	ADC-PCMCLK	O	PCM clock signal output terminal Not used
107	VDD3-3	-	Power supply terminal (+3.3V)
108	VSS	-	Ground terminal
109	TRST	I	Reset signal input terminal (for JTAG)
110	TMS	I	Mode selection signal input terminal (for JTAG)
111	TDO	O	Data output terminal (for JTAG)
112	TDI	I	Data input terminal (for JTAG)
113	TCK	I	Clock signal input terminal (for JTAG)
114	ADY_BYPASS	O	Bypass signal output terminal Not used
115	BOOT_MODE	O	Boot mode selection signal output terminal Not used
116	WP	O	Write protect signal output terminal Not used
117	CPU-OE	O	Output enable signal output to the flash memories
118	CPU-PROCLK	O	Not used

Pin No.	Pin Name	I/O	Description
119	VDD1-8	-	Power supply terminal (+1.8V)
120	PIX-CLK	I	27 MHz clock signal input from the clock generator
121	VSS	-	Ground terminal
122	VDD-PLL	-	Power supply terminal (+1.8V)
123	VSS-PLL	-	Ground terminal
124	RESET	I	Reset signal input from the system controller "L": reset
125	IRQ (2)	I	Interrupt request signal input from the SACD media player
126	IRQ (1)	I	Interrupt request signal input from the HDMI transmitter
127	IRQ (0)	I	Interrupt request signal input from the DVD interface
128	CPU-BE (0)	O	Write enable signal output to the flash memories
129	CPU-BE (1)	O	Write enable signal output terminal Not used
130	CPU-RW	O	Read/write selection signal output to the SACD media player "L": read, "H": write
131	CPU-WAIT	I	Chip wait signal input from the SACD media player
132	CPU-CE (3)	O	Chip enable signal output to the flash memory
133	CPU-CE (2)	O	Chip select signal output to the SACD media player
134	CPU-CE (1)	O	Chip enable signal output to the flash memory
135	CPU-CE (0)	O	Chip select signal output to the i.link DSP
136	VDD3-3	-	Power supply terminal (+3.3V)
137	VSS	-	Ground terminal
138	CPU-RAS1	O	Row address signal output terminal Not used
139, 140	CPU-CAS0, CPU-CAS1	O	Column address signal output terminal Not used
141 to 144	CPU-DATA (0) to CPU-DATA (3)	I/O	Two-way data bus with the flash memories, SACD media player and i.link DSP
145 to 148	CPU-DATA (4) to CPU-DATA (7)	I/O	Two-way data bus with the flash memories and SACD media player
149	VDD1-8	-	Power supply terminal (+1.8V)
150	VSS	-	Ground terminal
151 to 158	CPU-DATA (8) to CPU-DATA (15)	I/O	Two-way data bus with the flash memories and SACD media player
159	VDD3-3	-	Power supply terminal (+3.3V)
160	VSS	-	Ground terminal
161 to 164	CPU-ADR (1) to CPU-ADR (4)	O	Address signal output to the flash memories, SACD media player and i.link DSP
165 to 167	CPU-ADR (5) to CPU-ADR (7)	O	Address signal output to the flash memories and SACD media player
168 to 170	CPU-ADR (8) to CPU-ADR (10)	O	Address signal output to the flash memories
171	VDD1-8	-	Power supply terminal (+1.8V)
172	VSS	-	Ground terminal
173 to 183	CPU-ADR (11) to CPU-ADR (21)	O	Address signal output to the flash memories
184	VDD3-3	-	Power supply terminal (+3.3V)
185	VSS	-	Ground terminal
186	FE_RST	O	Reset signal output to the DVD interface "L": reset
187	RSERROR	I	Error signal input from the DVD interface
188	A_MUTE	O	Audio muting on/off control signal output terminal "L": muting on
189	LETTER	O	Letter box control signal output terminal Not used
190	H_SCL_BP	O	I2C bus clock signal output terminal Not used

Pin No.	Pin Name	I/O	Description
191	SQUEEZE	O	Squeeze control signal output terminal
192	H_SDA_BP	I/O	I2C two-way data bus terminal Not used
193	I2S_SYNC_OUT	O	Sector sync signal or absolute time sync signal output to the SACD media player
194	BE_SDA	I/O	I2C two-way data bus with the DVD interface, interlace/progressive converter and video encoder
195	BE_SCL	O	I2C bus clock signal output to the DVD interface, interlace/progressive converter and video encoder
196	I2S_WCLK_OUT	O	I2S bus word clock signal output to the SACD media player
197	IF_TXD	O	UART transmit data output to the system controller
198	VDD1-8	-	Power supply terminal (+1.8V)
199	VSS	-	Ground terminal
200	IF_RXD	I	UART receive data input from the system controller
201	FCNG_TXD	O	UART transmit data output for data writing to the flash memory
202	TRIGGER-IN	I	Trigger signal input terminal
203	TRIGGER-OUT	O	Trigger signal output terminal
204	ADAC_RESET	O	Reset signal output terminal Not used
205	FCNG_RXD	I	UART receive data input for data writing to the flash memory
206	SI	I	Serial data input from the lip sync adjust
207	SO	O	Serial data output to the D/A converter, shift register and lip sync adjust
208	SCLK	O	Serial data transfer clock signal output to the D/A converter, shift register and lip sync adjust

MAIN BOARD IC404 uPD70F3259YGF-40A-JBT-A (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	KEY1	I	Front panel keys input terminal (A/D input)
2	KEY0	I	Key input terminal Not used
3	AVDD	-	Power supply terminal (+3.3V)
4	AVSS	-	Ground terminal
5, 6	NC	O	Not used
7	AVREF	I	Reference voltage (+3.3V) input terminal
8	232C_RTS	O	Transmit request signal output to the RS232C driver
9	232C_CTS	I	Transmit request signal input from the RS232C driver
10	FLMD0	I	Flash memory data write mode control signal input terminal
11	VDD	-	Power supply terminal (+3.3V)
12	REGC	O	Connection terminal to the regulator capacitor
13	VSS	-	Ground terminal
14	XTI	I	Main system clock input terminal (5 MHz)
15	XTO	O	Main system clock output terminal (5 MHz)
16	RESET	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it change to "H"
17	SUB_CLK_IN	I	Sub system clock input terminal Not used
18	SUB_CLK_OUT	O	Sub system clock output terminal Not used
19	NC	O	Not used
20	KEY_INT	I	Wake up signal input from front panel keys or remote commander
21	232C_INT	I	Wake up signal input from RS232C driver
22	DEBUGRST	O	Reset signal output terminal Not used
23	BE_CS	O	Chip select signal output to the CPU
24	CLKG_SDA	I/O	I2C two-way data bus with the clock generator
25	CLKG_SCL	I/O	I2C bus clock signal input/output with the clock generator
26	NC	O	Not used
27	232COUT	O	Serial data output to the RS232C driver
28	232CIN	I	Serial data input from the RS232C driver
29	232CPW_DOWN	I	RS232C power down signal output to the RS232C driver "L": power down
30	NC	O	Not used
31	SIRCS	I	Remote control signal input from the remote control receiver and CONTROL S IN/IR IN jack
32	HDMI_RST	O	HDMI reset signal output terminal Not used
33	BE_BUSY	I	Busy signal input from the CPU
34	BE_RST	O	Reset signal output to the flash memories, CPU and lip sync adjust "L": reset
35	EVSS	-	Ground terminal
36	EVDD	-	Power supply terminal (+3.3V)
37	ILINK_TX	O	UART transmit data output to the i.link system controller
38	ILINK_RX	I	UART receive data input from the i.link system controller
39	TEST_MODE_IN	I	Test mode on/off control signal input terminal "L": normal mode, "H": test mode Fixed at "L" in this set
40	SPDIF_SW	O	Digital out on/off control signal output terminal "H": digital out on
41	FS_SEL	O	Sampling frequency selection signal output to the clock generator
42	CLK_SW	O	Audio clock selection signal output to the clock driver
43	ILINK_RST	O	Reset signal output to the flash memory, i.link system controller and i.link interface "L": reset
44	ILINK_OSC_SW	O	I.link OSC on/off control signal output to the clock driver "H": OSC on
45	BE_TXD	O	UART transmit data output to the CPU

Pin No.	Pin Name	I/O	Description
46	BE_RXD	I	UART receive data input from the CPU
47	LED_PLAY	O	LED drive signal output for playback indicator "H": LED on
48	LED_PAUSE	O	LED drive signal output for pause indicator "H": LED on
49	LED_FL_OFF	O	LED drive signal output for DIMMER indicator "H": LED on
50	LED_ILINK	O	LED drive signal output for i.LINK indicator "H": LED on
51	FL_OFF	O	Fluorescent indicator tube power on/off control signal output terminal "H": power on
52	LED_VIDEO_OFF	O	LED drive signal output for VIDEO OFF indicator "H": LED on
53	LDM+	O	Loading motor drive signal output terminal "H": motor on
54	LDM-	O	Loading motor drive signal output terminal "H": motor on
55	VIDEO_OFF	O	Power on/off control signal output terminal for video section "H": power on
56	FLD_SDATA	O	Serial data output to the fluorescent indicator tube driver
57	FLD_SCLK	O	Serial data transfer clock signal output to the fluorescent indicator tube driver
58	NC	O	Not used
59	ILINK_CTS	I	Transmit request signal input from the i.link system controller
60	ILINK_RTS	O	Transmit request signal output to the i.link system controller
61	P_MUTE	O	Protect muting on/off control signal output terminal "L": muting on
62	NC	O	Not used
63	FLHS	O	Not used
64	CLKOUT	O	Clock signal output terminal Not used
65	HDMI _INT	O	Interrupt request signal output terminal Not used
66	DISC/EXT	O	Disc output/external input selection signal output terminal "L": external input, "H": disc output (AEP, UK and Russian models only)
67	EUROVY	O	Composite video/s video selection signal output terminal "L": s video, "H": composite video (AEP, UK and Russian models only)
68	RGBSEL	O	RGB/video selection signal output terminal "L": video, "H": RGB (AEP, UK and Russian models only)
69	DSEL	O	Selection signal output terminal Not used
70	WIDE	O	Wide signal output terminal Not used
71	BVSS	-	Ground terminal
72	BVDD	-	Power supply terminal (+3.3V)
73	NT/PAL	O	NTSC/PAL selection signal output terminal Not used
74	AMUTE	O	Audio muting on/off control signal output terminal "L": muting on
75	IF_ADAC_RST	O	Reset signal output to the D/A converter "L": reset
76	VMUTE	O	Video muting on/off control signal output terminal "L": muting on
77	P_CONT	O	Main power on/off control signal output terminal "H": power on
78	FLMD1	I	Flash memory data write mode control signal input terminal
79	WP1	O	Write protect signal output terminal Not used
80, 81	NC	O	Not used
82	FL_CTRL	O	Flash memory data write mode control signal output terminal
83	HDMI_+5V_RST	O	Power on/off control signal output terminal for HDMI section (+5V) "H": power on
84	TMODE_SW	O	Test mode on/off control signal output to the CPU "H": test mode on
85	FLDRST	O	Reset signal output to the fluorescent indicator tube driver "L": reset
86	FLDCS	O	Chip select signal output to the fluorescent indicator tube driver
87, 88	NC	O	Not used
89	JOG_B	I	Jog dial pulse input from the rotary encoder (B phase input)
90	JOG_A	I	Jog dial pulse input from the rotary encoder (A phase input)
91	LD_IN_SW	I	Loading in detect switch input terminal
92	LD_OUT_SW	I	Loading in detect switch input terminal

Pin No.	Pin Name	I/O	Description
93	DEST_SEL	I	Destination setting terminal
94	NC	O	Not used
95	PON_CHECK	I	+3.3V voltage monitor input terminal
96	MODEL_SEL	I	Model setting terminal Fixed at "H" in this set
97	SELF_CHECK	I	Self-diagnosis mode selection signal input terminal (normally at "H")
98	KEY4	I	Key input terminal Not used
99, 100	KEY3, KEY2	I	Front panel keys input terminal (A/D input)

MAIN BOARD IC502 SAA7893HL (SACD MEDIA PLAYER)

Pin No.	Pin Name	I/O	Description
1	H_A1	I	Address signal input from the CPU
2, 3	H_DQ15, H_DQ14	I/O	Two-way data bus with the flash memories and CPU
4	GND_IO1	-	Ground terminal
5 to 9	H_DQ13 to H_DQ9	I/O	Two-way data bus with the flash memories and CPU
10	VCC_IO1	-	Power supply terminal (+3.3V)
11 to 15	H_DQ8 to H_DQ4	I/O	Two-way data bus with the flash memories and CPU
16	H_DQ3	I/O	Two-way data bus with the flash memories, CPU and i.link DSP
17	GND_IO2	-	Ground terminal
18	H_PROCCLOCK	I	27 MHz clock signal input from clock generator
19	VCC_CORE1	-	Power supply terminal (+1.8V)
20	GND_CORE1	-	Ground terminal
21	SYS_CLK	I	27 MHz clock signal input from clock generator
22, 23	H_DQ2, H_DQ1	I/O	Two-way data bus with the flash memories, CPU and i.link DSP
24	H_CSN	I	Chip select signal input from the CPU
25	H_DQ0	I/O	Two-way data bus with the flash memories, CPU and i.link DSP
26	H_RWN	I	Read/write selection signal input from the CPU "L": read, "H": write
27	H_WAIT	O	Chip wait signal output to the CPU
28	H_IRQN	O	Interrupt request signal output to the CPU
29	AUD_CLK	I	Master clock signal input from the clock generator
30	PCM_DCLK_IN	I	PCM data clock input terminal Not used
31	PCM_WCLK_IN	I	PCM word clock input terminal Not used
32	VDDA	-	Power supply terminal (+1.8V)
33	VSSA	-	Ground terminal
34	BIASIN	I	Bias current input terminal
35	AGCINP	I	RF (for SACD) signal input from the DVD interface
36	ADCREFL	I	ADC decoupling terminal
37	VCC_IO7	-	Power supply terminal (+3.3V)
38	GND_IO7	-	Ground terminal
39	PCM_CELF_IN	I	PCM data (for center or LFE) input terminal Not used
40	PCM_LERI_IN	I	PCM data (for L-ch or R-ch) input terminal Not used
41	PCM_LSRS_IN	I	PCM data (for surround L-ch or surround R-ch) input terminal Not used
42	B_FLAG/SERR	I	I2S bus flag input from the CPU
43	B_SYNC/SYNC	I	Sector sync signal or absolute time sync signal input from the CPU
44	B_WCLK/SENB	I	I2S bus word clock signal input from the CPU
45	B_DATA/BE_DAT0	I	I2S bus data input from the CPU
46	B_BCLK/SDCLK	I	I2S bus clock signal input from the CPU
47	UDE_REQ	I	Request signal input terminal Not used
48	DATA_REQ	O	Request signal output terminal Not used
49 to 55	BE_DAT1 to BE_DAT7	I	Parallel data input terminal Not used
56	TRST	I	Reset signal input terminal (for JTAG)
57	TMS	I	Mode selection signal input terminal (for JTAG)
58	VCC_IO2	-	Power supply terminal (+3.3V)
59	TDO	O	Data output terminal (for JTAG)
60	TDI	I	Data input terminal (for JTAG)
61	TCK	I	Clock signal input terminal (for JTAG)

Pin No.	Pin Name	I/O	Description
62	H_SEL0	I	Host selection signal input terminal Fixed at "L" in this set
63	H_SEL1	I	Host selection signal input terminal Fixed at "H" in this set
64	D_ADDR3	O	Address signal output to the SD-RAM
65	D_ADDR4	O	Address signal output to the SD-RAM
66	D_ADDR2	O	Address signal output to the SD-RAM
67	D_ADDR5	O	Address signal output to the SD-RAM
68	D_ADDR1	O	Address signal output to the SD-RAM
69	GND_IO3	-	Ground terminal
70	D_ADDR6	O	Address signal output to the SD-RAM
71	D_ADDR0	O	Address signal output to the SD-RAM
72	D_ADDR7	O	Address signal output to the SD-RAM
73	D_ADDR10	O	Address signal output to the SD-RAM
74	D_ADDR8	O	Address signal output to the SD-RAM
75	D_ADDR13	O	Address signal output to the SD-RAM
76	VCC_IO3	-	Power supply terminal (+3.3V)
77	D_ADDR9	O	Address signal output to the SD-RAM
78	D_ADDR12	O	Address signal output to the SD-RAM
79	D_ADDR11	O	Address signal output to the SD-RAM
80	D_WEN	O	Write enable signal output to the SD-RAM
81	D_RASN	O	Row address signal output to the SD-RAM
82	D_CASN	O	Column address signal output to the SD-RAM
83	GND_IO4	-	Ground terminal
84	GND_CORE2	-	Ground terminal
85	VCC_CORE2	-	Power supply terminal (+1.8V)
86	D_CLK	O	Clock signal output to the SD-RAM
87	D_DQ5	I/O	Two-way data bus with the SD-RAM
88	D_UDQM	O	Write mask signal output to the SD-RAM (upper byte)
89	D_LDQM	O	Write mask signal output to the SD-RAM (lower byte)
90	D_DQ7	I/O	Two-way data bus with the SD-RAM
91	D_DQ8	I/O	Two-way data bus with the SD-RAM
92	VCC_IO4	-	Power supply terminal (+3.3V)
93	D_DQ6	I/O	Two-way data bus with the SD-RAM
94	D_DQ9	I/O	Two-way data bus with the SD-RAM
95	D_DQ10	I/O	Two-way data bus with the SD-RAM
96	D_DQ4	I/O	Two-way data bus with the SD-RAM
97	D_DQ11	I/O	Two-way data bus with the SD-RAM
98	D_DQ3	I/O	Two-way data bus with the SD-RAM
99	GND_IO5	-	Ground terminal
100	D_DQ12	I/O	Two-way data bus with the SD-RAM
101	D_DQ2	I/O	Two-way data bus with the SD-RAM
102	D_DQ13	I/O	Two-way data bus with the SD-RAM
103	D_DQ1	I/O	Two-way data bus with the SD-RAM
104	D_DQ14	I/O	Two-way data bus with the SD-RAM
105	D_DQ0	I/O	Two-way data bus with the SD-RAM
106	VCC_IO5	-	Power supply terminal (+3.3V)
107	D_DQ15	I/O	Two-way data bus with the SD-RAM
108	DSD_PCM_0	O	DSD data (for front L-ch) output to the D/A converter and i.link DSP

Pin No.	Pin Name	I/O	Description
109	DSD_PCM_1	O	DSD data (for front R-ch) output to the D/A converter and i.link DSP
110	DSD_PCM_2	O	DSD data (for center) output to the D/A converter and i.link DSP
111	DSD_PCM_3	O	DSD data (for woofer) output to the D/A converter and i.link DSP
112	GND_IO5	-	Ground terminal
113	DSD_PCM_4	O	DSD data (for rear L-ch) output to the D/A converter and i.link DSP
114	DSD_PCM_5	O	DSD data (for rear R-ch) output to the D/A converter and i.link DSP
115	DSD_PCM_6	O	DSD clock signal output to the D/A converter
116	DSD_PCM_7	O	DSD data output terminal Not used
117	DSD_PCM_8	O	DSD clock signal output to the i.link DSP
118	VCC_IO6	-	Power supply terminal (+3.3V)
119	DSD_PCM_10	O	Frame signal output to the i.link DSP
120	DSD_PCM_9	O	DSD data (for R-ch) output to the D/A converter
121	DSD_PCM_11	O	DSD data (for L-ch) output to the D/A converter
122	RESETN	I	Reset signal input from the CPU "L": reset
123	H_A_SEL	I	Address signal input from the CPU
124 to 128	H_A6 to H_A2	I	Address signal input from the CPU

MAIN BOARD IC552 CXD9722ATQ (LIP SYNC ADJUST)

Pin No.	Pin Name	I/O	Description
1 to 5	D1 to D5	I/O	Two-way data bus with the SD-RAM
6	VDD	-	Power supply terminal (+3.3V)
7, 8	D6, D7	I/O	Two-way data bus with the SD-RAM
9	VSS	-	Ground terminal
10	WE	O	Write enable signal output to the SD-RAM
11	CAS	O	Column address strobe signal output to the SD-RAM
12	RAS	O	Row address strobe signal output to the SD-RAM
13	CS	O	Chip select signal output to the SD-RAM
14	CLK	O	Clock signal output to the SD-RAM
15	CKE	O	Clock enable signal output to the SD-RAM
16	VDD	-	Power supply terminal (+3.3V)
17 to 22	A11, A10, A0 to A3	O	Address signal output to the SD-RAM
23	VSS	-	Ground terminal
24 to 29	A9 to A4	O	Address signal output to the SD-RAM
30	VSS	-	Ground terminal
31	DRSO	O	DSD data (for rear R-ch) output terminal Not used
32	DLSO	O	DSD data (for rear L-ch) output terminal Not used
33	DEXRO	O	Not used
34	DLFEO	O	DSD data (for woofer) output terminal Not used
35	DCO	O	DSD data (for center) output terminal Not used
36	VDD	-	Power supply terminal (+3.3V)
37	DRO	O	DSD data (for front R-ch) output terminal Not used
38	DLO	O	DSD data (for front L-ch) output terminal Not used
39	VSS	-	Ground terminal
40	DMRO	O	DSD data (for R-ch down mix) output terminal Not used
41	DMLO	O	DSD data (for L-ch down mix) output terminal Not used
42	VSS	-	Ground terminal
43	VDD	-	Power supply terminal (+3.3V)
44	DLDRO	O	Audio data (for down mix) output to the D/A converter and HDMI transmitter
45	CSWO	O	Audio data (for center and woofer) output to the D/A converter, HDMI transmitter and i.link interface
46	SLSRO	O	Audio data (for rear) output to the D/A converter, HDMI transmitter and i.link interface
47	FLFRO	O	Audio data (for front) output to the D/A converter, HDMI transmitter and i.link interface
48	VSS	-	Ground terminal
49	SPDIFO	O	Digital audio data output to the HDMI transmitter, i.link interface and DIGITAL OUT jack
50	TEST1	I	Input terminal for the test
51	TRST	I	Reset signal input terminal (for JTAG)
52	TMS	I	Mode selection signal input terminal (for JTAG)
53	TCK	I	Clock signal input terminal (for JTAG)
54	TDI	I	Data input terminal (for JTAG)
55	TDO	O	Data output terminal (for JTAG)
56	TEST2	I	Input terminal for the test
57	SPDIFI	I	Digital audio data input from the CPU
58	VSS	-	Ground terminal
59	LRCKI	I	L/R sampling clock signal input from the CPU
60	BCKI	I	Bit clock signal input from the CPU

Pin No.	Pin Name	I/O	Description
61	VDD	-	Power supply terminal (+3.3V)
62	VSS	-	Ground terminal
63	DLDRI	I	PCM audio data (for down mix) input from the CPU
64	CSWI	I	PCM audio data (for center and woofer) input from the CPU
65	SLSRI	I	PCM audio data (for rear) input from the CPU
66	FLFRI	I	PCM audio data (for front) input from the CPU
67	TEST3	I	Input terminal for the test
68	CLK512	I	Master clock signal input from the clock generator
69	VSS	-	Ground terminal
70	XRST	I	Reset signal input from the system controller "L": reset
71	VDD	-	Power supply terminal (+3.3V)
72	SCLK	I	Serial data transfer clock signal input from the CPU
73	XCS	I	Chip select signal input from the shift register
74	SI	I	Serial data input from the CPU
75	SO	O	Serial data output to the CPU
76	DEXRI	-	Not used
77	DMLI	I	DSD data (for front L-ch down mix) input terminal Not used
78	DMRI	I	DSD data (for front R-ch down mix) input terminal Not used
79	VSS	-	Ground terminal
80	PHRI	I	Clock signal input terminal Not used
81	BCKAI	I	Bit clock signal input terminal Not used
82	DQM	O	Not used
83	DLI	I	DSD data (for front L-ch) input terminal Not used
84	DRI	I	DSD data (for front R-ch) input terminal Not used
85	DCI	I	DSD data (for center) input terminal Not used
86	DLFEI	I	DSD data (for woofer) input terminal Not used
87	DLSI	I	DSD data (for rear L-ch) input terminal Not used
88	DRSI	I	DSD data (for rear R-ch) input terminal Not used
89	VSS	-	Ground terminal
90 to 95	D15 to D10	I/O	Two-way data bus with the SD-RAM
96	VDD	-	Power supply terminal (+3.3V)
97, 98	D9, D8	I/O	Two-way data bus with the SD-RAM
99	GND	-	Ground terminal
100	D0	I/O	Two-way data bus with the SD-RAM

MAIN BOARD IC603 CXD9866R (INTERLACE/PROGRESSIVE CONVERTER)

Pin No.	Pin Name	I/O	Description
1 to 3	TEST0 to TEST2	I	Input terminal for the test
4	ALSB	I	I2C slave address setting terminal
5	SDA	I/O	I2C two-way data bus with the DVD interface, CPU and video encoder
6	SCL	I	I2C bus clock signal input from the CPU
7	TEST3	I	Input terminal for the test
8	NRST	I	Reset signal input from the CPU "L": reset
9	TEST4	I	Input terminal for the test
10	CLKI	I	27 MHz clock signal input from the CPU
11	TEST5	I	Input terminal for the test
12	AVS1	-	Ground terminal (analog system)
13	AVD1	-	Power supply terminal (+3.3V) (analog system)
14	CPO	O	Charge pump output terminal
15	VCI	I	VCO input terminal
16	AVS2	-	Ground terminal (analog system)
17	AVD2	-	Power supply terminal (+3.3V) (analog system)
18	NTEST	I	Input terminal for the test
19	VI	I	Vertical synchronize signal input terminal Not used
20	HI	I	Horizontal synchronize signal input terminal Not used
21, 22	SI0, SI1	I	Digital video signal input terminal Not used
23 to 30	SI2 to SI9	I	Digital video signal input from the CPU
31	VSS	-	Ground terminal (digital system)
32	VDDI	-	Power supply terminal (+1.8V) (for core)
33	VDDE	-	Power supply terminal (+3.3V) (for I/O)
34 to 43	CO9 to CO0	O	CB (component video) and CR (component video) signal output to the video encoder
44	VSS	-	Ground terminal (digital system)
45	VDDI	-	Power supply terminal (+1.8V) (for core)
46	VDDE	-	Power supply terminal (+3.3V) (for I/O)
47 to 56	YO9 to YO0	O	Y (component video) signal output to the video encoder
57	VSS	-	Ground terminal (digital system)
58	VDDI	-	Power supply terminal (+1.8V) (for core)
59	CLKO	O	27 MHz clock signal output to the video encoder
60	VDDE	-	Power supply terminal (+3.3V) (for I/O)
61 to 70	SO9 to SO0	O	Video signal output to the video encoder
71	TEST6	I	Input terminal for the test
72	HO	O	Horizontal synchronize signal output terminal Not used
73	VO	O	Vertical synchronize signal output terminal Not used
74	FILM	O	Film detection flag output terminal Not used
75	VDDI	-	Power supply terminal (+1.8V) (for core)
76	VSS	-	Ground terminal (digital system)
77	VDDE	-	Power supply terminal (+3.3V) (for I/O)
78	AVSP	-	Ground terminal (analog system)
79	AVDP	-	Power supply terminal (+3.3V) (analog system)
80	VSS	-	Ground terminal (digital system)
81	VDDE	-	Power supply terminal (+3.3V) (for I/O)
82	VDDI	-	Power supply terminal (+1.8V) (for core)
83	MCLK	O	108 MHz clock signal output to the SD-RAM

Pin No.	Pin Name	I/O	Description
84	VSS	-	Ground terminal (digital system)
85 to 88	MD19 to MD16	I/O	Two-way data bus terminal Not used
89	VDDI	-	Power supply terminal (+1.8V) (for core)
90	VSS	-	Ground terminal (digital system)
91	VDDE	-	Power supply terminal (+3.3V) (for I/O)
93	MA3	O	Address signal output to the SD-RAM
94	MA4	O	Address signal output to the SD-RAM
95	MA2	O	Address signal output to the SD-RAM
96	MA5	O	Address signal output to the SD-RAM
97	MA1	O	Address signal output to the SD-RAM
98	MA6	O	Address signal output to the SD-RAM
99	MA0	O	Address signal output to the SD-RAM
99	VDDE	-	Power supply terminal (+3.3V) (for I/O)
100	VSS	-	Ground terminal (digital system)
101	MA7	O	Address signal output to the SD-RAM
102	MA10	O	Address signal output to the SD-RAM
103	MA8	O	Address signal output to the SD-RAM
104	MA11	O	Address signal output to the SD-RAM
105	MA9	O	Address signal output to the SD-RAM
106	RAS	O	Row address signal output to the SD-RAM
107	DQM	O	Write mask signal output to the SD-RAM
108	CAS	O	Column address signal output to the SD-RAM
109	WE	O	Write enable signal output to the SD-RAM
110	VDDE	-	Power supply terminal (+3.3V) (for I/O)
111	VSS	-	Ground terminal (digital system)
112	VDDI	-	Power supply terminal (+1.8V) (for core)
113	MD7	I/O	Two-way data bus with the SD-RAM
114	MD8	I/O	Two-way data bus with the SD-RAM
115	MD6	I/O	Two-way data bus with the SD-RAM
116	MD9	I/O	Two-way data bus with the SD-RAM
117	MD5	I/O	Two-way data bus with the SD-RAM
118	MD10	I/O	Two-way data bus with the SD-RAM
119	MD4	I/O	Two-way data bus with the SD-RAM
120	MD11	I/O	Two-way data bus with the SD-RAM
121	VDDE	-	Power supply terminal (+3.3V) (for I/O)
122	VSS	-	Ground terminal (digital system)
123	MD3	I/O	Two-way data bus with the SD-RAM
124	MD12	I/O	Two-way data bus with the SD-RAM
125	MD2	I/O	Two-way data bus with the SD-RAM
126	MD13	I/O	Two-way data bus with the SD-RAM
127	MD1	I/O	Two-way data bus with the SD-RAM
128	MD14	I/O	Two-way data bus with the SD-RAM
129	MD0	I/O	Two-way data bus with the SD-RAM
130	MD15	I/O	Two-way data bus with the SD-RAM
131	VDDI	-	Power supply terminal (+1.8V) (for core)
132	VSS	-	Ground terminal (digital system)
133	VDDE	-	Power supply terminal (+3.3V) (for I/O)

Pin No.	Pin Name	I/O	Description
134	QV	O	Vertical synchronize signal output to the HDMI transmitter
135	QH	O	Horizontal synchronize signal output to the HDMI transmitter
136	QDE	O	Data enable signal output to the HDMI transmitter
137	VSS	-	Ground terminal (digital system)
138 to 141	QB0 to QB3	O	RGB (blue) signal output to the HDMI transmitter
142	VDDE	-	Power supply terminal (+3.3V) (for I/O)
143 to 146	QB4 to QB7	O	RGB (blue) signal output to the HDMI transmitter
147	VSS	-	Ground terminal (digital system)
148	QCLK	O	Clock signal output to the HDMI transmitter
149	VDDI	-	Power supply terminal (+1.8V) (for core)
150	VDDE	-	Power supply terminal (+3.3V) (for I/O)
151 to 154	QG0 to QG3	O	RGB (green) signal output to the HDMI transmitter
155	VSS	-	Ground terminal (digital system)
156	VDDE	-	Power supply terminal (+3.3V) (for I/O)
157 to 160	QG4 to QG7	O	RGB (green) signal output to the HDMI transmitter
161	VDDI	-	Power supply terminal (+1.8V) (for core)
162	VSS	-	Ground terminal (digital system)
163	VDDE	-	Power supply terminal (+3.3V) (for I/O)
164 to 167	QR0 to QR3	O	RGB (red) signal output to the HDMI transmitter
168	VSS	-	Ground terminal (digital system)
169	VDDE	-	Power supply terminal (+3.3V) (for I/O)
170 to 173	QR4 to QR7	O	RGB (red) signal output to the HDMI transmitter
174	VDDI	-	Power supply terminal (+1.8V) (for core)
175	VDDE	-	Power supply terminal (+3.3V) (for I/O)
176	VSS	-	Ground terminal (digital system)

MIAN BOARD IC804 HD6432365A19FV-TAA70 (I.LINK SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1, 2	MD0, MD1	I	CPU operation mode setting terminal
3, 4	VSS	-	Ground terminal
5	MD2	I	CPU operation mode setting terminal
6	VCC	-	Power supply terminal (+3.3V)
7	A0	O	Address signal output terminal Not used
8 to 11	A1 to A4	O	Address signal output to the flash memory and i.link interface
12	VSS	-	Ground terminal
13 to 18	A5 to A10	O	Address signal output to the flash memory and i.link interface
19, 20	A11, A12	O	Address signal output to the flash memory
21	VSS	-	Ground terminal
22 to 25	A13 to A16	O	Address signal output to the flash memory
26	VSS	-	Ground terminal
27 to 29	A17 to A19	O	Address signal output to the flash memory
30 to 33	A20 to A23	O	Address signal output terminal Not used
34	EMLE	I	Internal emulator enable setting terminal Fixed at "L" this set
35, 36	VSS	-	Ground terminal
37	TDO	O	Data output terminal (for JTAG)
38	NMI	I	Non maskable interrupt signal input terminal Not used
39	VCC	-	Power supply terminal (+3.3V)
40	ARMRST	O	Reset signal output to the i.link interface "L": reset
41 to 56	-	-	Not used
57 to 63	D0 to D6	I/O	Two-way data bus with the flash memory and i.link interface
64	VSS	-	Ground terminal
65	D7	I/O	Two-way data bus with the flash memory and i.link interface
66	VCC	-	Power supply terminal (+3.3V)
67	NC	-	Not used
68	VSS	-	Ground terminal
69 to 76	D8 to D15	I/O	Two-way data bus with the flash memory and i.link interface
77	WAIT	I	Bus wait request signal input from the i.link interface
78, 79	CS5, CS6	I	Chip select signal input terminal Not used
80	LWR	O	Data write enable signal output terminal Not used
81	HWR	O	Data write enable signal output to the flash memory and i.link interface
82	RD	O	Data read enable signal output to the flash memory and i.link interface
83	-	-	Not used
84	PLLVCC	-	Power supply terminal (+3.3V)
85	RES	I	Reset signal input from the system controller "L": reset
86	PLLVSS	-	Ground terminal
87	CLK	O	Bus clock signal output to the i.link interface
88	VSS	-	Ground terminal
89	XTAL	O	System clock output terminal Not used
90	EXTAL	I	System clock (24.576 MHz) input from the clock driver
91, 92	VCC	-	Power supply terminal (+3.3V)
93, 94	-	-	Not used
95	VSS	-	Ground terminal
96	STBY	I	Standby signal input terminal Not used
97	-	-	Not used

Pin No.	Pin Name	I/O	Description
98	CS_MEMZ	O	Chip select signal output to the i.link interface
99, 100	VSS	-	Ground terminal
101	CS2	O	Chip select signal output to the flash memory
102	CS_IOZ	O	Chip select signal output to the i.link interface
103	AVCC	-	Power supply terminal (+3.3V)
104	VREF	I	Reference voltage input terminal (+3.3V)
105	ARMINT	I	Interrupt request signal input from the i.link interface
106 to 114	-	-	Not used
115	AVSS	-	Ground terminal
116	TCK	I	Clock signal input terminal (for JTAG)
117	TMS	I	Mode selection signal input terminal (for JTAG)
118	TDI	I	Data input terminal (for JTAG)
119	CTS	I	Transmit request signal input from the system controller
120	RTS	O	Transmit request signal output to the system controller
121	-	-	Not used
122	TRST	I	Reset signal input terminal (for JTAG)
123, 124	-	-	Not used
125	RXD1	I	UART receive data input terminal when writing internal flash memory
126	RXD0	I	UART receive data input from the system controller
127	TXD1	O	UART transmit data output terminal when writing internal flash memory
128	TXD0	O	UART transmit data output to the system controller

MAIN BOARD IC805 TSB43CA42PGF (I.LINK INTERFACE)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2, 3	TESTMODE0, TESTMODE1	I	Setting terminal for the test mode Normally: fixed at "L"
4	VDD	-	Power supply terminal (+3.3V)
5	VCO_CLK	I	Audio master clock signal input terminal Not used
6	REF_SYT	O	Signal output terminal for phase comparison Not used
7	DIV_VCO	O	Clock signal output terminal for phase comparison Not used
8	PFD	-	Terminal for the test
9	MLPCM_BCLK	I	Bit clock signal input from the CPU
10	MLPCM_LRCK	I	L/R sampling clock input from the CPU
11	MLPCM_D0	I	Audio data (for front) input from the lip sync adjust
12	MLPCM_D1	I	Audio data (for rear) input from the lip sync adjust
13	MLPCM_D2	I	Audio data (for center and woofer) input from the lip sync adjust
14	MLPCM_A	I	PCM audio supplementary signal input terminal Not used
15 to 18	GPIO2 to GPIO5	I/O	Not used
19	MSPCTL	I	Setting terminal for the PHY maximum transmission rate "L": S400, "H": S200 Fixed at "H" in this set
20	VDD	-	Power supply terminal (+3.3V)
21	VSS	-	Ground terminal
22	CPS	I	Cable power status detection signal input terminal Not used
23	AVDD	-	Power supply terminal (+3.3V)
24	AGND	-	Ground terminal
25, 26	TPB0_N, TPB0_P	O	I.link audio signal output to the I.LINK S200 (AUDIO) 1 connector
27	AGND	-	Ground terminal
28	AVDD	-	Power supply terminal (+3.3V)
29, 30	TPA0_N, TPA0_P	O	I.link audio signal output to the I.LINK S200 (AUDIO) 1 connector
31	TPBIAS0	O	Bias control signal output terminal for i.link audio signal
32	AVDD	-	Power supply terminal (+3.3V)
33, 34	TPB1_N, TPB1_P	O	I.link audio signal output to the I.LINK S200 (AUDIO) 2 connector
35	AGND	-	Ground terminal
36, 37	TPA1_N, TPA1_P	O	I.link audio signal output to the I.LINK S200 (AUDIO) 2 connector
38	TPBIAS1	O	Bias control signal output terminal for i. link audio signal
39, 40	NC	-	Not used
41	AVDD	-	Power supply terminal (+3.3V)
42 to 44	NC	-	Not used
45	AGND	-	Ground terminal
46, 47	R1. R0	-	Connected to the external resistor for current adjustment
48	AVDD	-	Power supply terminal (+3.3V)
49, 50	FILTER0, FILTER1	-	Connected to the external capacitor for PLL filter
51	PLL_VDD	-	Power supply terminal (+3.3V)
52	XI	I	System clock (24.576 MHz) input from the clock driver
53	XO	O	System clock output terminal Not used
54	PLL_GND	-	Ground terminal
55	VSS	-	Ground terminal
56	VDD	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
57, 58	TEST_MODE2, TEST_MODE3	-	Terminal for the test mode Normally: fixed at "L"
59	RESET	I	Reset signal input from the system controller "L": reset
60	RESET_ARM	I	Reset signal input from the i.link system controller "L": reset
61	LINK_ON	O	LINK on/off control signal output terminal Not used
62	HPS	I	Host power supply status detection signal input terminal Not used
63	LOW_PWR_RDY	O	Power supply detection signal output terminal Not used
64	DISABLE_IF	I	Interface disable signal input terminal Not used
65, 66	GPIO0, GPIO1	I/O	Not used
67	SDA	I/O	Serial data input/output terminal Not used
68	SCL	I/O	Serial data transfer clock signal input/output terminal Not used
69 to 72	GPIO6 to GPIO9	I/O	Not used
73	REG_EN	I	Setting terminal for the internal regulator enable
74	REG_OUT	O	+1.8V power supply output terminal
75	VDD	-	Power supply terminal (+3.3V)
76	VSS	-	Ground terminal
77	TMS	I	Mode selection signal input terminal (for JTAG)
78	TDI	I	Data input terminal (for JTAG)
79	TDO	O	Data output terminal (for JTAG)
80	TCK	I	Clock signal input terminal (for JTAG)
81	TRST	I	Reset signal input terminal (for JTAG)
82	ARM_TMS	I	Mode selection signal input terminal (for ARM JTAG)
83	ARM_TDI	I	Data input terminal (for ARM JTAG)
84	ARM_TDO	O	Data output terminal (for ARM JTAG)
85	UART_TXD	O	UART transmit data output terminal when writing internal flash memory
86	UART_RXD	I	UART receive data input terminal when writing internal flash memory
87	GPIO10	I/O	Not used
88	TMR WTCHDOG	O	Watch dog timer output terminal Not used
89	MCIF_INT	O	Interrupt request signal output to the i.link system controller
90	MCIF_CS_IO	I	Chip select signal input from the i.link system controller
91	MCIF_CS_MEM	I	Chip select signal input from the i.link system controller
92	MCIF_R_NW	I	Write/read selection signal input terminal for interface "L": write, "H": read Fixed at "H" this set
93	MCIF_STRB	I	Strobe signal input terminal for interface Not used
94	MCIF_WAIT	O	Bus wait request signal output to the i.link system controller
95	MCIF_ACK	I/O	Acknowledge signal input/output terminal for interface Not used
96	MCIF_OE	I	Data read enable signal input from the i.link system controller
97	MCIF_WE	I	Data write enable signal input from the i.link system controller
98	MCIF_BUSCLK	I	Bus clock signal input from the i.link system controller
99, 100	MCIF_DATA0, MCIF_DATA1	I/O	Two-way data bus with the flash memory and i.link system controller
101	VDD	-	Power supply terminal (+3.3V)
102	VSS	-	Ground terminal
103 to 114	MCIF_DATA2 to MCIF_DATA13	I/O	Two-way data bus with the flash memory and i.link system controller
115	REG_OUT	O	+1.8V power supply output terminal
116	VDD	-	Power supply terminal (+3.3V)
117	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
118, 119	MCIF_DATA14, MCIF_DATA15	I/O	Two-way data bus with the flash memory and i.link system controller
120 to 129	MCIF_ADDR1 to MCIF_ADDR10	I	Address signal input from the i.link system controller
130	VDD	-	Power supply terminal (+3.3V)
131	VSS	-	Ground terminal
132	MCIF ENDIAN	I	Endian setting terminal for interface "L": big endian, "H": little endian Fixed at "L" this set
133 to 135	MCIF_MODE0 to MCIF_MODE2	I	CPU operation mode setting terminal
136	HSDI0_60958_IN	I	60958 data input terminal Not used
137	HSDI0_ AMCLK_IN	I	Audio master clock signal input terminal Not used
138	HSDI0_CLK	I	Clock signal input terminal Not used
139	HSDI0_EN	I	Data enable signal input terminal Not used
140	HSDI0_AV	O	Not used
141	HSDI0_SYNC	O	SYNC signal output terminal Not used
142	HSDI0_DVALID	O	Not used
143, 144	HSDI0_D0, HSDI0_D1	I/O	Data input/output terminal Not used
145	VDD	-	Power supply terminal (+3.3V)
146	VSS	-	Ground terminal
147 to 152	HSDI0_D2 to HSDI0_D7	I/O	Data input/output terminal Not used
153	HSDI1_CLK	I	DSD clock signal input from the i.link DSP
154	HSDI1_EN	I	Data enable signal input terminal Not used
155	HSDI1_AV	O	Not used
156	HSDI1_SYNC	I	Frame signal input from the i.link DSP
157	HSDI1_DVALID	O	Not used
158	HSDI1_D0	I	DSD data (for front L-ch) input from the i.link DSP
159	HSDI1_D1	I	DSD data (for front R-ch) input from the i.link DSP
160	REG_OUT	O	+1.8V power supply output terminal
161	VDD	-	Power supply terminal (+3.3V)
162	VSS	-	Ground terminal
163	HSDI1_D2	I	DSD data (for center) input from the i.link DSP
164	HSDI1_D3	I	DSD data (for woofer) input from the i.link DSP
165	HSDI1_D4	I	DSD data (for rear L-ch) input from the i.link DSP
166	HSDI1_D5	I	DSD data (for rear R-ch) input from the i.link DSP
167	HSDI1_D6	I	Ancillary signal input from the i.link DSP
168	HSDI1_D7	I/O	Data input/output terminal Not used
169	HSDI1_ AMCLK_IN	I	Audio master clock signal input from clock generator
170	HSDI1_ AMCLK_OUT	O	Audio master clock signal output terminal Not used
171	HSDI1_ AMCLK_ERR	O	Audio error signal output terminal Not used
172	HSDI1_ AMCLK_MUTE	O	Audio muting on/off control signal output terminal Not used
173	HSDI1_60958_IN	I	Digital audio data input from the lip sync adjust

Pin No.	Pin Name	I/O	Description
174	HSDI1_60958_OUT	O	Digital audio signal output terminal Not used
175	VDD	-	Power supply terminal (+3.3V)
176	VSS	-	Ground terminal

MAIN BOARD IC807 LC4128V-75TN100C-SIA01 (I.LINK DSP)

Pin No.	Pin Name	I/O	Description
1	GND	-	Ground terminal
2	TDI	I	Data input terminal (for download)
3 to 6	A1 to A4	O	Address signal input from the CPU
7	GND BANK0	-	Ground terminal
8	CS_PLD	I	Chip select signal input from the CPU
9 to 11	B10, B12, B13	-	Not used
12	INPUT ONLY	I	Connected to the ground
13	VCC	-	Power supply terminal (+3.3V)
14 to 17	D0 to D3	I	Two-way data bus with the flash memories, CPU and SACD media player
18	GND	-	Ground terminal
19 to 22	C6 to C4, C2	-	Not used
23	INPUT ONLY	I	Connected to the ground
24	TCK	I	Clock signal input terminal (for download)
25	VCC	-	Power supply terminal (+3.3V)
26	GND	-	Ground terminal
27	INPUT ONLY	I	Connected to the ground
28	D13	-	Not used
29	DSD_IN_0	I	DSD data (for front L-ch) input from the SACD media player
30	DSD_IN_1	I	DSD data (for front R-ch) input from the SACD media player
31	DSD_IN_2	I	DSD data (for center) input from the SACD media player
32	GND	-	Ground terminal
33	VCC	-	Power supply terminal (+3.3V)
34	DSD_IN_3	I	DSD data (for woofer) input from the SACD media player
35	DSD_IN_4	I	DSD data (for rear L-ch) input from the SACD media player
36	DSD_IN_5	I	DSD data (for rear R-ch) input from the SACD media player
37	FRAME_IN	I	Frame signal input from the SACD media player
38	DSD_CLK_IN	I	DSD clock signal input from the SACD media player
39	CLK2	-	Not used
40	VCC	-	Power supply terminal (+3.3V)
41	ANCILLARY	O	Ancillary signal output to the i.link interface
42 to 44	E2, E4, E6	-	Not used
45	VCC	-	Power supply terminal (+3.3V)
46	GND	-	Ground terminal
47 to 49	E8, E10, E12	-	Not used
50	FRAME_OUT	O	Frame signal output to the i.link interface
51	GND	-	Ground terminal
52	TMS	I	Mode selection signal input terminal (for download)
53	DSD_CLK_OUT	I	DSD clock signal output to the i.link interface
54	DSD_OUT_0	O	DSD data (for front L-ch) output to the i.link interface
55	DSD_OUT_1	O	DSD data (for front R-ch) output to the i.link interface
56	DSD_OUT_2	O	DSD data (for center) output to the i.link interface
57	GND	-	Ground terminal
58	DSD_OUT_3	O	DSD data (for woofer) output to the i.link interface
59	DSD_OUT_4	O	DSD data (for rear L-ch) output to the i.link interface
60	DSD_OUT_5	O	DSD data (for rear R-ch) output to the i.link interface
61	F13	-	Not used

Pin No.	Pin Name	I/O	Description
62	INPUT ONLY	I	Connected to the ground
63	VCC	-	Power supply terminal (+3.3V)
64 to 67	G14, G12, G10, G8	-	Not used
68	GND	-	Ground terminal
69 to 72	G6 to G4, G2	-	Not used
73	INPUT ONLY	I	Connected to the ground
74	TDO	O	Data output terminal (for download)
75	VCC	-	Power supply terminal (+3.3V)
76	GND	-	Ground terminal
77	INPUT ONLY	I	Connected to the ground
78 to 81	H13, H12, H10, H8	-	Not used
82	GND	-	Ground terminal
83	VCC	-	Power supply terminal (+3.3V)
84 to 86	H6, H4, H2	-	Not used
87	RESET	I	Reset signal input from the CPU "L": reset
88	CLK3	-	Not used
89	512FS	I	Master clock signal input from the clock generator
90	VCC	-	Power supply terminal (+3.3V)
91	A0/GOE0	-	Not used
92 to 94	A2, A4, A6	-	Not used
95	VCC	-	Power supply terminal (+3.3V)
96	GND	-	Ground terminal
97 to 100	A8, A10, A12, A14	-	Not used

SECTION 8
EXPLODED VIEWS

NOTE:

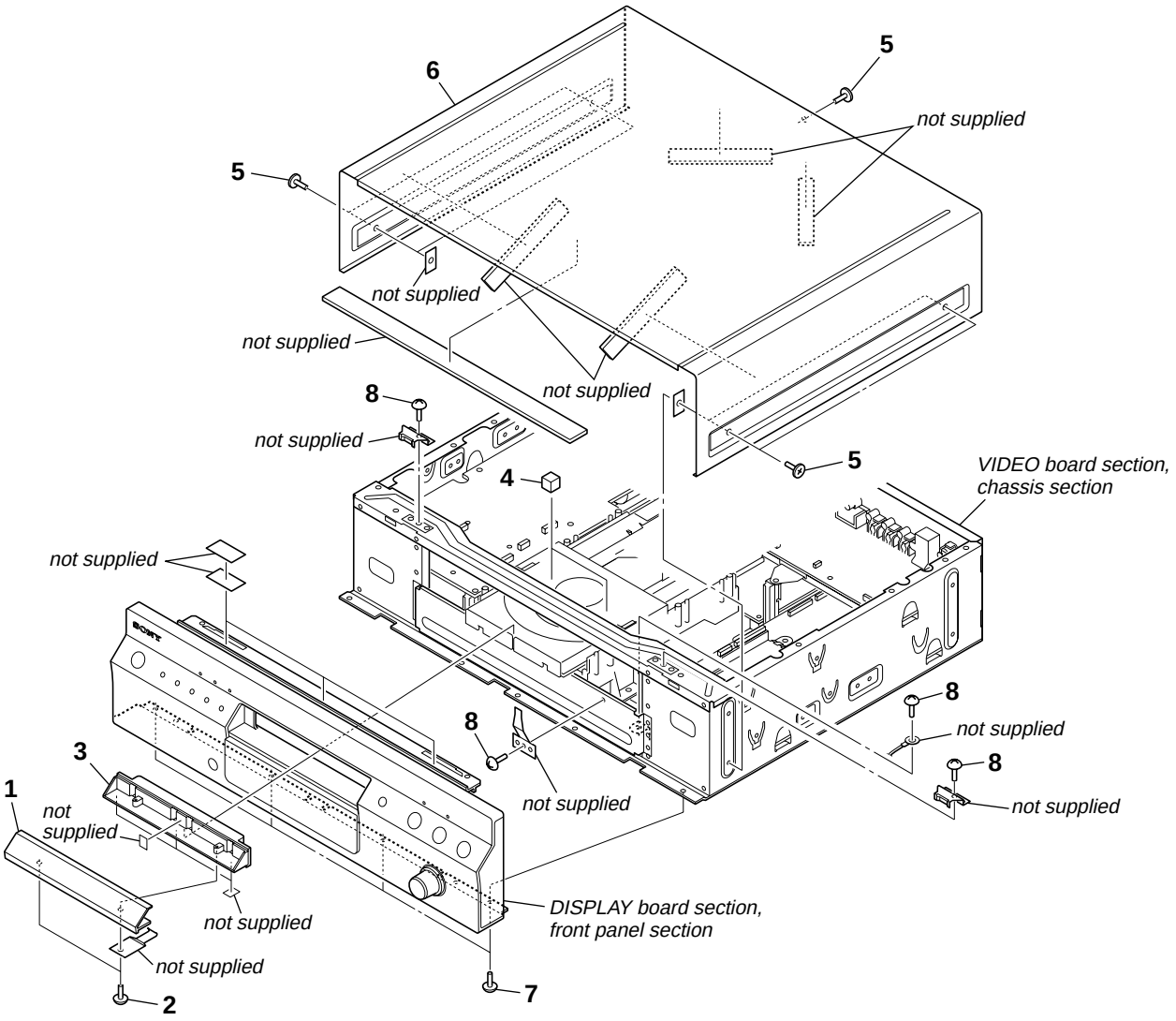
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CH : Chinese model KR : Korean model
  CND : Canadian model RU : Russian model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

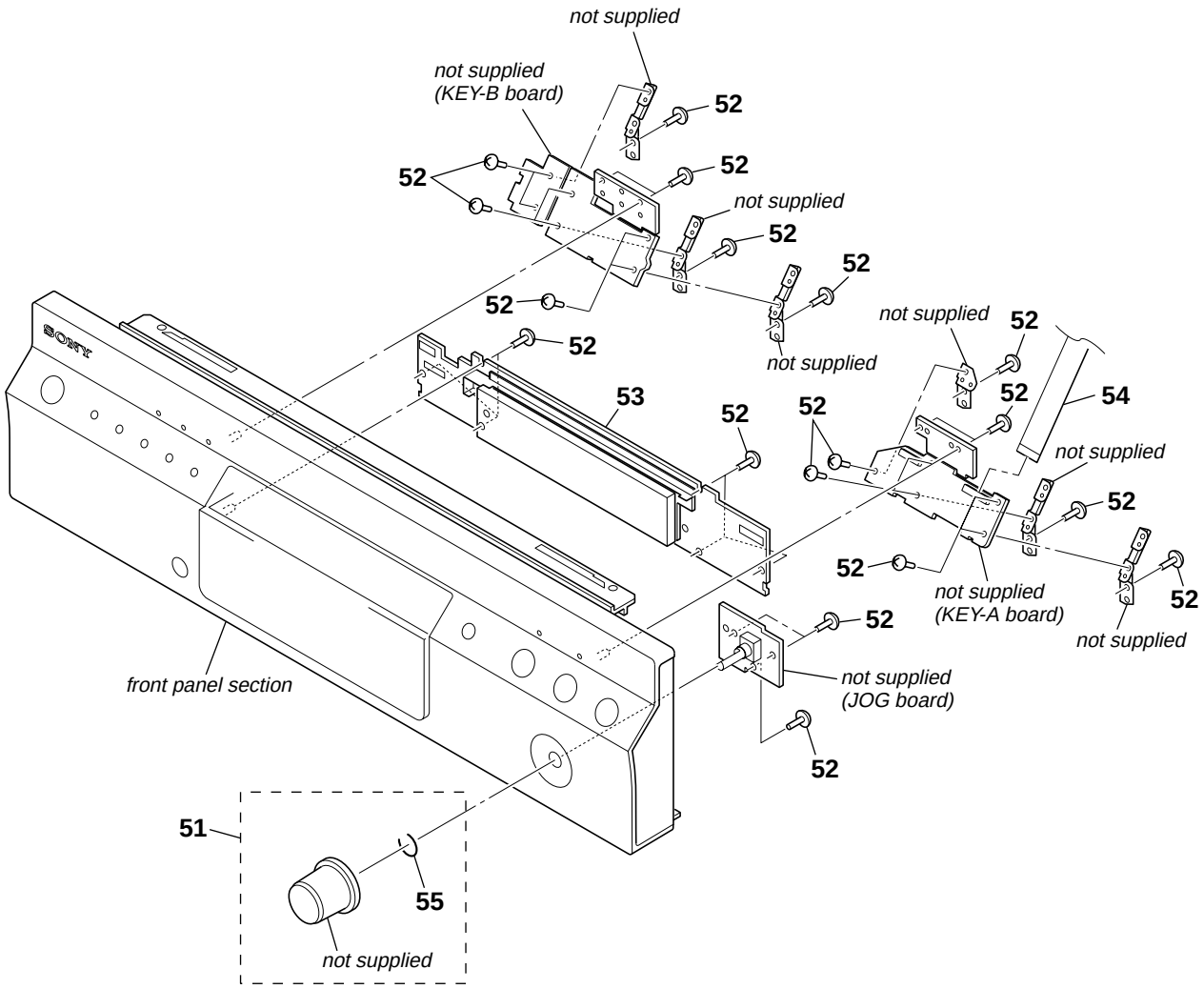
原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

8-1. CASE SECTION



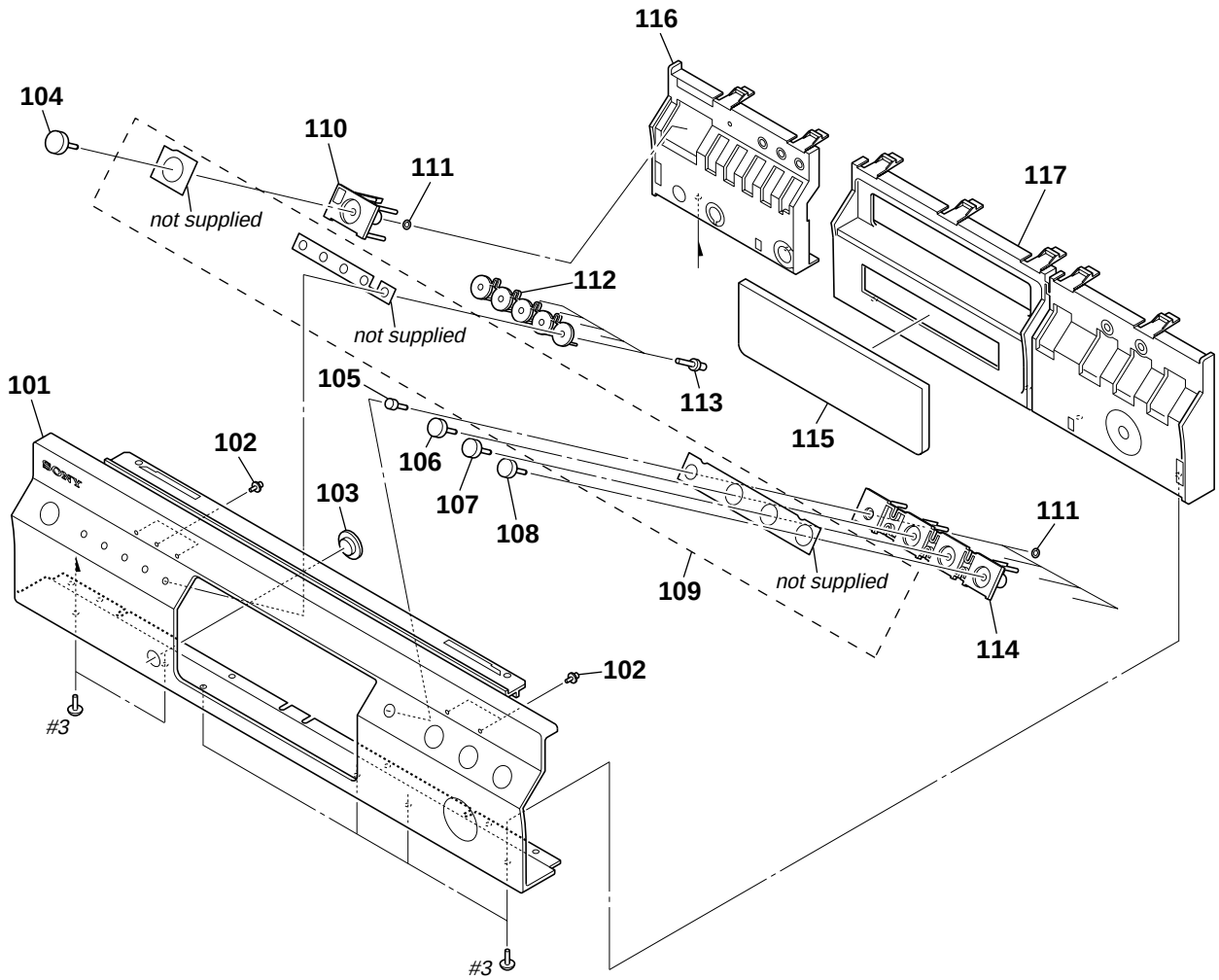
Ref. No.	Part No.	Description	Remark
1	2-546-951-11	PANEL, LOADING (BLACK)	
1	X-2025-361-1	PANEL ASSY, LOADING (SILVER)	
2	3-087-053-01	+BVTP2.6 (3CR)	
3	2-546-952-01	BASE (LOADING PANEL) (for SILVER)	
3	2-546-952-11	BASE (LOADING PANEL) (for BLACK)	
4	3-561-427-01	CUSHION	
5	4-227-843-03	SCREW (TP), FLAT HEAD (for BLACK)	
5	4-227-843-31	SCREW (TP), FLAT HEAD (for SILVER)	
6	4-220-301-32	CASE (BLACK)	
6	4-220-301-81	CASE (SILVER)	
7	3-704-515-22	SCREW (BV/RING)	
8	4-974-510-11	SCREW (+BV 3X8 CU)	

8-2. DISPLAY BOARD SECTION



Ref. No.	Part No.	Description	Remark
51	X-4955-651-1	KNOB (SEL) ASSY (for SILVER)	
51	X-4955-656-2	KNOB (SEL) ASSY (for BLACK)	
52	3-087-053-01	+BVTP2.6 (3CR)	
53	A-1088-390-A	DISPLAY BOARD, COMPLETE	
54	1-828-620-11	WIRE (FLAT TYPE) (19 CORE)	
55	3-350-426-01	SPRING	

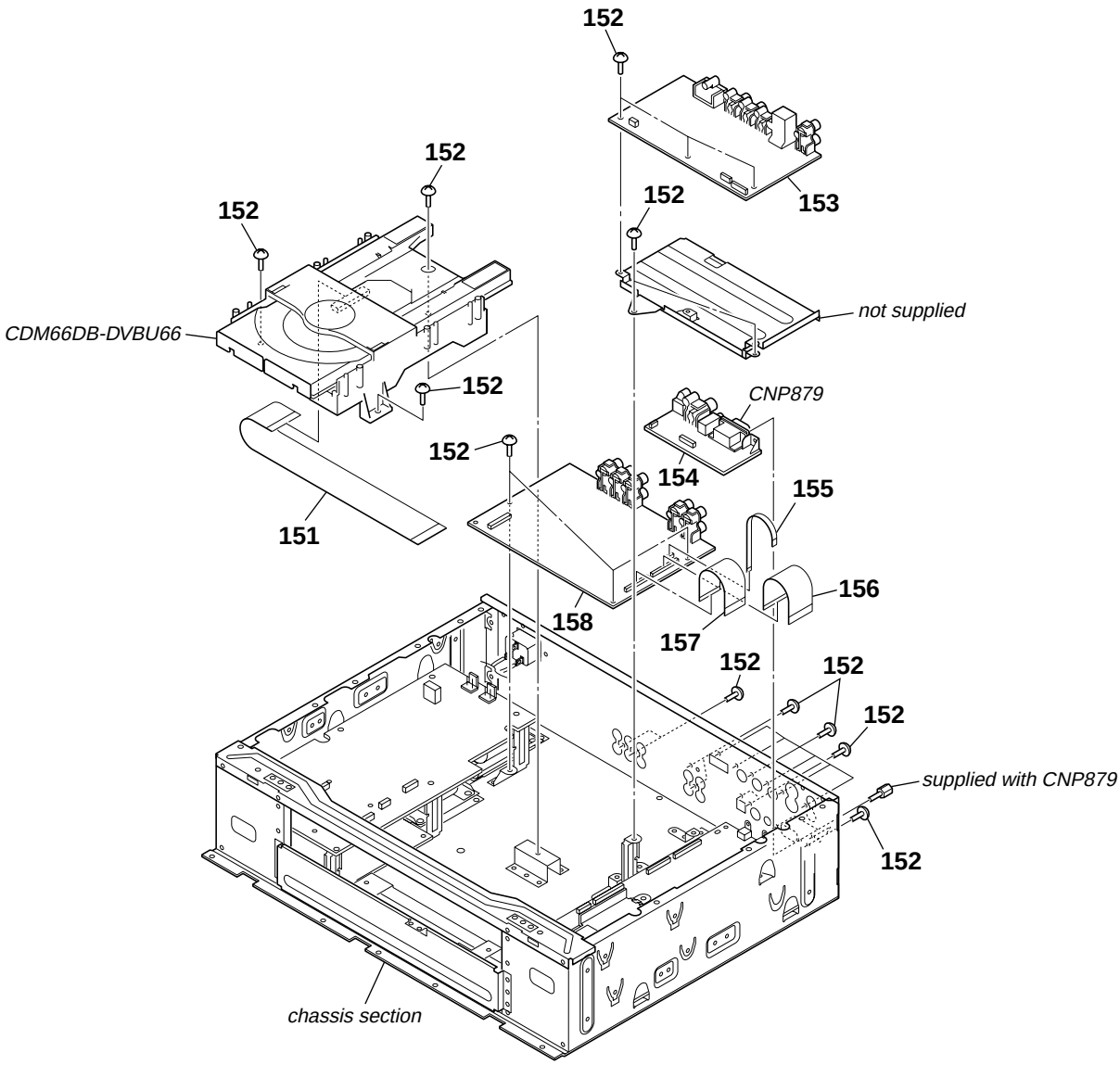
8-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	4-246-560-61	PANEL, FRONT (SILVER) (US, CND)	
101	4-246-560-72	PANEL, FRONT (SILVER) (AEP, UK, RU, KR, CH)	
101	4-246-560-91	PANEL, FRONT (BLACK) (US)	
102	X-4950-462-1	LENS ASSY, LED	
103	4-975-105-01	WINDOW, RAY CATCHER (for BLACK)	
103	4-975-105-41	WINDOW, RAY CATCHER (for SILVER)	
104	4-246-121-03	BUTTON (POWER) (for SILVER)	
104	4-246-121-23	BUTTON (POWER) (for BLACK)	
105	4-246-568-01	BUTTON (OPEN) (⏏) (for BLACK)	
105	4-246-568-21	BUTTON (OPEN) (⏏) (for SILVER)	
106	4-246-567-01	BUTTON (PLAY) (►) (for BLACK)	
106	4-246-567-21	BUTTON (PLAY) (►) (for SILVER)	
107	4-246-567-31	BUTTON (PLAY) (❚❚) (for BLACK)	
107	4-246-567-51	BUTTON (PLAY) (❚❚) (for SILVER)	
108	4-246-567-61	BUTTON (PLAY (■) (for BLACK)	
108	4-246-567-81	BUTTON (PLAY (■) (for SILVER)	
109	4-250-643-01	SHEET (ES-A), ADHESIVE	

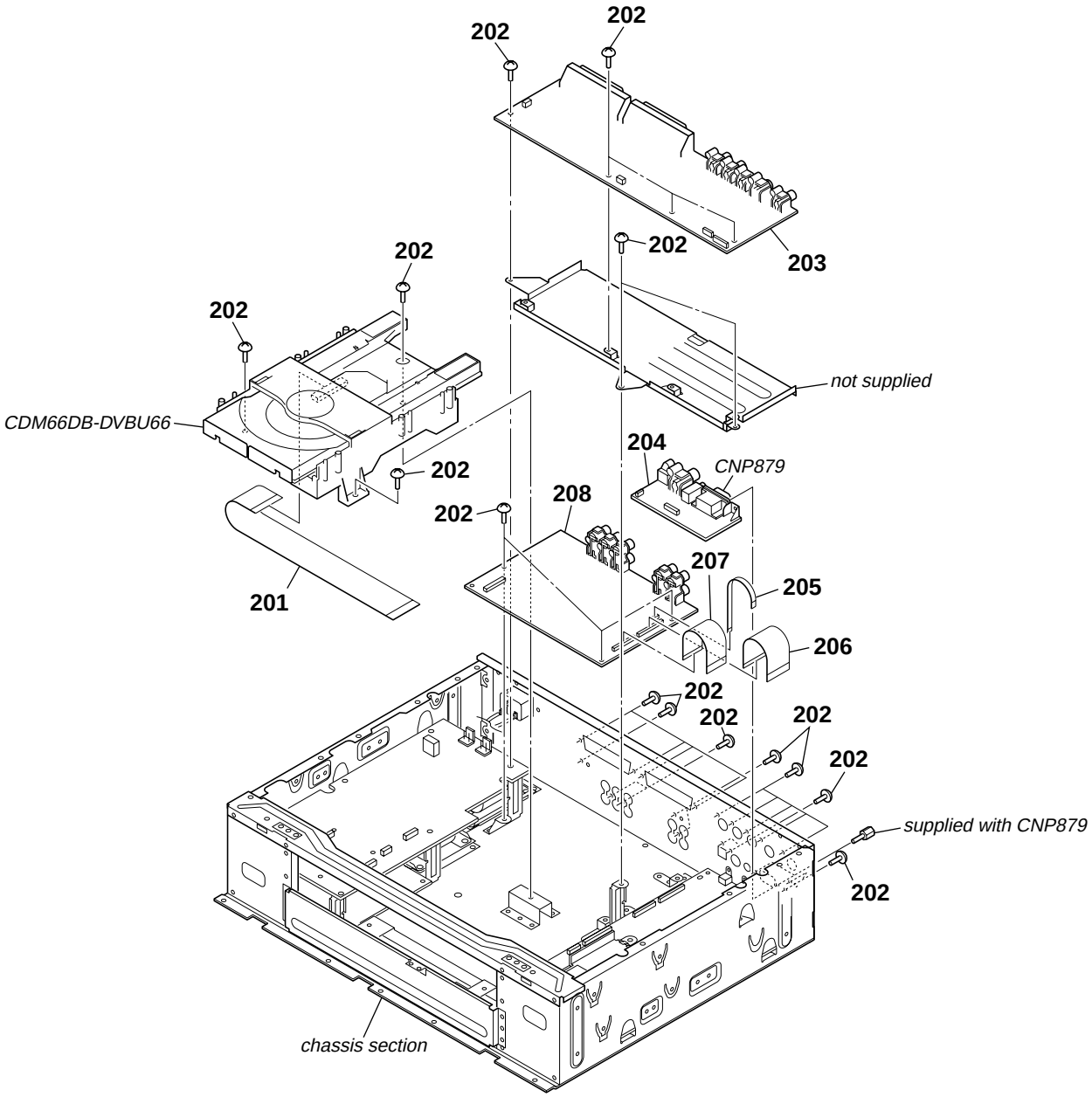
Ref. No.	Part No.	Description	Remark
110	2-546-955-01	ESCUTCHEON (POWER) (for SILVER)	
110	2-546-955-11	ESCUTCHEON (POWER) (for BLACK)	
111	3-325-697-01	WASHER	
112	4-246-564-01	ESCUTCHEON (B) (for BLACK)	
112	4-246-564-21	ESCUTCHEON (B) (for SILVER)	
113	4-230-635-11	BUTTON (PLAY MODE) (for BLACK)	
113	4-230-635-31	BUTTON (PLAY MODE) (for SILVER)	
114	4-246-563-01	ESCUTCHEON (A) (for BLACK)	
114	4-246-563-21	ESCUTCHEON (A) (for SILVER)	
115	4-246-566-21	WINDOW (for SILVER)	
115	4-246-566-31	WINDOW (for BLACK)	
116	4-246-562-01	BASE (L), PANEL (for BLACK)	
116	4-246-562-22	BASE (L), PANEL (for SILVER)	
117	4-246-561-01	BASE (R), PANEL (for BLACK)	
117	4-246-561-21	BASE (R), PANEL (for SILVER)	
#3	7-685-548-19	SCREW +BTP 3X12 TYPE2 N-S	

8-4. VIDEO BOARD SECTION (US, CND, KR, CH models)



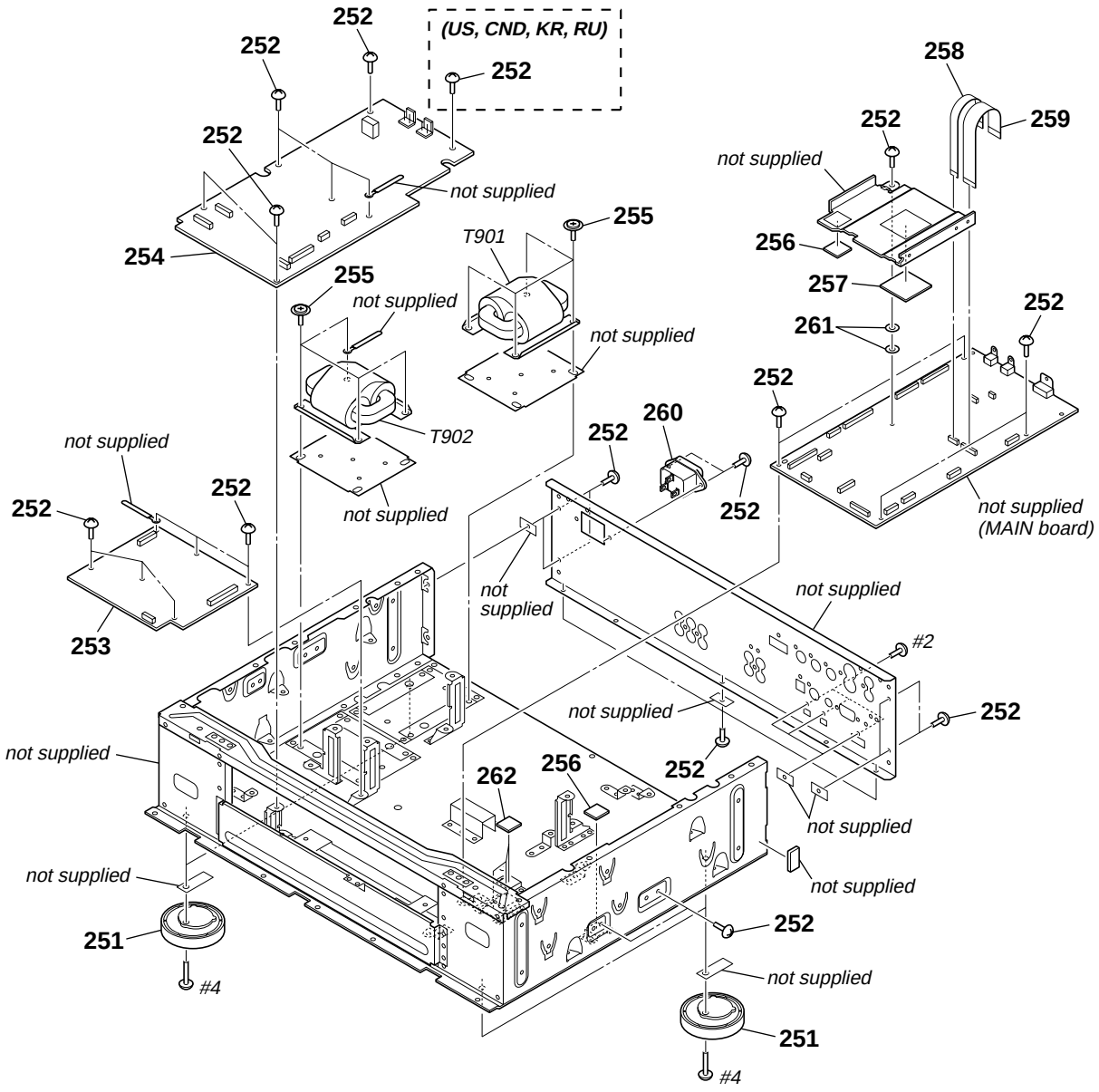
Ref. No.	Part No.	Description	Remark
151	1-775-280-11	WIRE (FLAT TYPE) (31 CORE)	
152	4-974-510-11	SCREW (+BV 3X8 CU)	
153	A-1088-440-A	VIDEO BOARD, COMPLETE (US, CND, KR, CH)	
154	A-1088-436-A	RS232C BOARD, COMPLETE	
155	1-828-547-11	WIRE (FLAT TYPE) (5 CORE)	
156	1-828-666-11	WIRE (FLAT TYPE) (29 CORE)	
157	1-828-646-11	WIRE (FLAT TYPE) (25 CORE)	
158	A-1088-540-A	AUDIO BOARD, COMPLETE (US, CND, CH)	
158	A-1151-955-A	AUDIO BOARD, COMPLETE (KR)	
CNP879	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)	

8-5. VIDEO BOARD SECTION (AEP, UK, RU models)



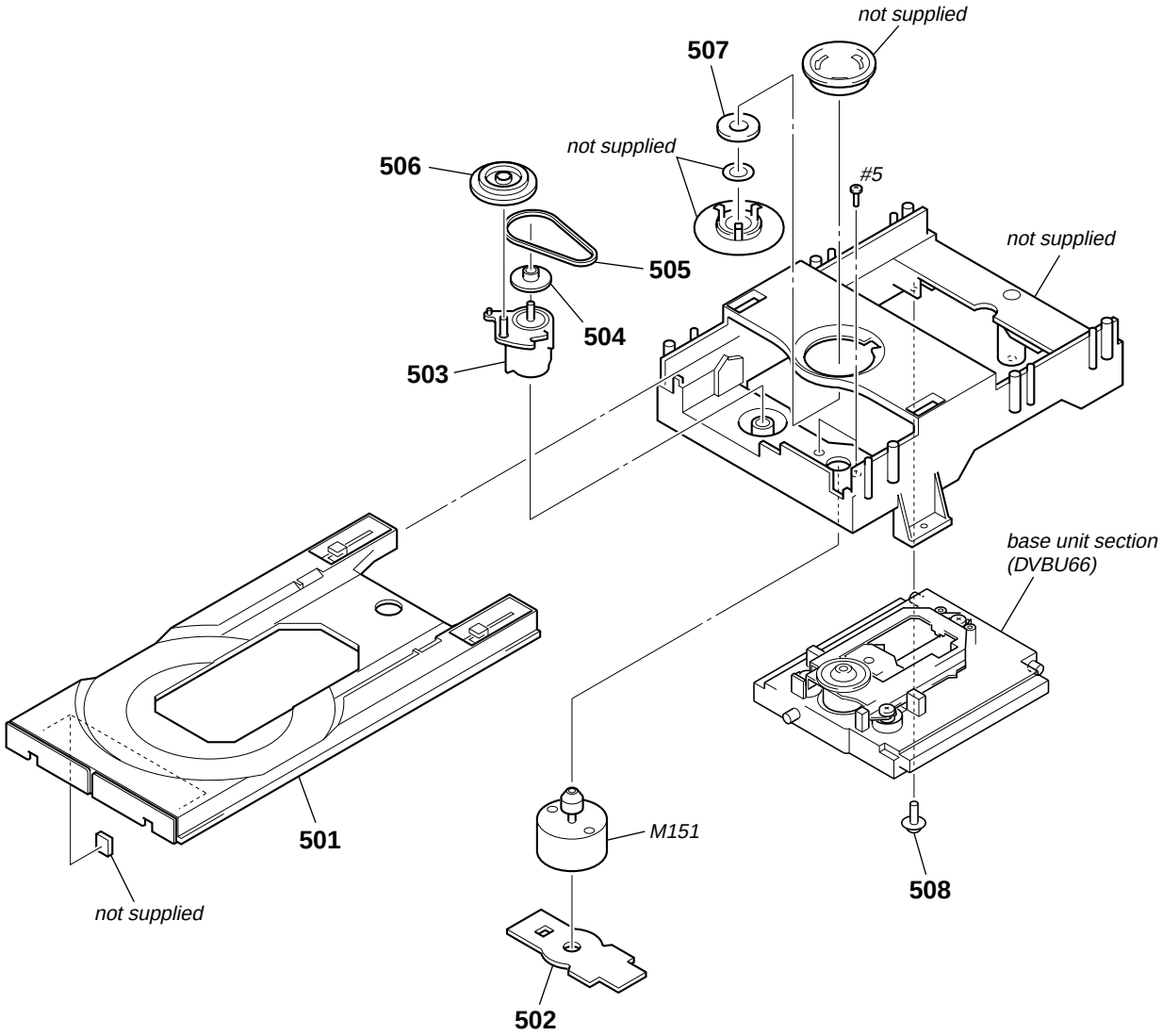
Ref. No.	Part No.	Description	Remark
201	1-775-280-11	WIRE (FLAT TYPE) (31 CORE)	
202	4-974-510-11	SCREW (+BV 3X8 CU)	
203	A-1088-441-A	VIDEO BOARD, COMPLETE (AEP, UK, RU)	
204	A-1088-436-A	RS232C BOARD, COMPLETE	
205	1-828-547-11	WIRE (FLAT TYPE) (5 CORE)	
206	1-828-666-11	WIRE (FLAT TYPE) (29 CORE)	
207	1-828-646-11	WIRE (FLAT TYPE) (25 CORE)	
208	A-1088-541-A	AUDIO BOARD, COMPLETE (AEP, UK, RU)	
CNP879	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)	

8-6. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
251	X-4955-348-1	FOOT ASSY	
252	4-974-510-11	SCREW (+BV 3X8 CU)	
253	A-1088-435-A	POWER2 BOARD, COMPLETE	
254	A-1088-432-A	POWER1 BOARD, COMPLETE (US, CND)	
254	A-1088-434-A	POWER1 BOARD, COMPLETE (AEP, UK, RU)	
254	A-1123-383-A	POWER1 BOARD, COMPLETE (KR, CH)	
255	3-703-249-02	SCREW, S TIGHT, +PTTWH 3X6	
256	2-585-361-01	SHEET, RADIATION	
257	2-585-361-21	SHEET, RADIATION	
258	1-828-568-11	WIRE (FLAT TYPE) (9 CORE)	
259	1-828-598-11	WIRE (FLAT TYPE) (15 CORE)	
⚠260	1-816-880-22	INLET ASSY, AC (~ AC IN)	
261	4-971-099-01	WASHER (P)	
262	2-585-361-11	SHEET, RADIATION	
⚠T901	1-443-561-11	TRANSFORMER, POWER (US, CND)	
⚠T901	1-443-562-11	TRANSFORMER, POWER (EXCEPT US, CND)	
⚠T902	1-443-558-11	TRANSFORMER, POWER (US, CND)	
⚠T902	1-443-559-11	TRANSFORMER, POWER (EXCEPT US, CND)	
#2	7-682-548-09	SCREW +B 3X8	
#4	7-685-885-09	SCREW +BVTT 4X16 (S)	

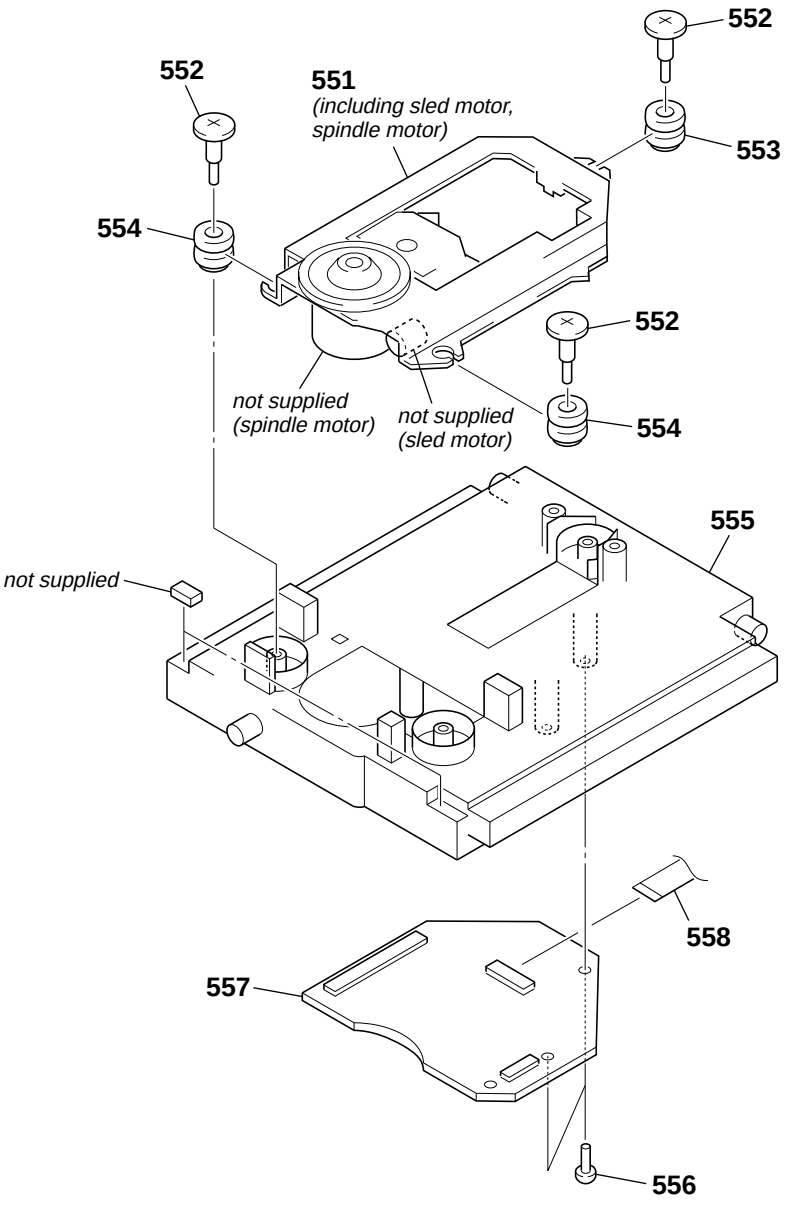
8-7. MECHANISM DECK SECTION (CDM66DB-DVBU66)



Ref. No.	Part No.	Description	Remark
501	4-231-530-05	TRAY (66)	
502	1-645-721-11	LOADING BOARD	
503	4-232-712-01	CAM (66)	
504	4-232-710-01	PULLEY (LD)	
505	4-232-713-01	BELT (LD)	

Ref. No.	Part No.	Description	Remark
506	4-232-711-01	GEAR (LD)	
507	3-053-844-01	YOKE	
508	4-227-899-31	SCREW (DIA. 12), FROATING	
M151	A-4604-363-A	MOTOR (L) ASSY (LOADING)	
#5	7-621-775-10	SCREW +B 2.6X4	

8-8. BASE UNIT SECTION (DVBU66)



Ref. No.	Part No.	Description	Remark
⚠551	A-1109-165-A	OPTICAL TRAVERSE UNIT (DBU-3)	
552	4-981-923-01	SCREW (M), STEP	
553	3-053-847-41	INSULATOR (BLUE)	
554	3-057-023-11	INSULATOR (RB) (RED)	
555	4-240-953-11	HOLDER (66D)	
556	4-218-253-52	SCREW (M2.6), +BTTP	
557	A-1088-545-A	BU BOARD, COMPLETE	
558	1-824-106-51	CABLE, FLEXIBLE FLAT (0.5mm PITCH)	

SECTION 9
ELECTRICAL PARTS LIST

AUDIO

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  CH : Chinese model KR : Korean model
  CND : Canadian model RU : Russian model
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-1088-540-A	AUDIO BOARD, COMPLETE (US, CND, CH)			
	A-1088-541-A	AUDIO BOARD, COMPLETE (AEP, UK, RU)			
	A-1151-955-A	AUDIO BOARD, COMPLETE (KR)			
		**********			
		< CAPACITOR >			
C101	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C102	1-115-667-11	ELECT	10uF	20%	50V
C103	1-115-667-11	ELECT	10uF	20%	50V
C104	1-124-698-11	ELECT	100uF	20%	25V
C105	1-124-698-11	ELECT	100uF	20%	25V
C106	1-126-234-11	ELECT	2200uF	20%	16V
C107	1-115-667-11	ELECT	10uF	20%	50V
C108	1-115-651-11	ELECT	100uF	20%	16V
C109	1-115-651-11	ELECT	100uF	20%	16V
C110	1-137-749-11	MYLAR	0.1uF		100V
C111	1-137-749-11	MYLAR	0.1uF		100V
C112	1-137-749-11	MYLAR	0.1uF		100V
C113	1-137-749-11	MYLAR	0.1uF		100V
C115	1-126-234-11	ELECT	2200uF	20%	16V
C116	1-126-234-11	ELECT	2200uF	20%	16V
C117	1-126-234-11	ELECT	2200uF	20%	16V
C118	1-115-651-11	ELECT	100uF	20%	16V
C119	1-115-651-11	ELECT	100uF	20%	16V
C120	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C121	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C122	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C123	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C124	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C125	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C126	1-109-857-11	ELECT	47uF	20%	63V
C127	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C128	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C129	1-137-681-11	FILM CHIP	0.1uF	20%	16V
C130	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C131	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C132	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C133	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C134	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C135	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C136	1-137-681-11	FILM CHIP	0.1uF	20%	16V

Ref. No.	Part No.	Description			Remark
C137	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C138	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C139	1-137-681-11	FILM CHIP	0.1uF	20%	16V
C140	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C141	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C142	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C143	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C144	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C145	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C146	1-115-651-11	ELECT	100uF	20%	16V
C147	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C148	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C149	1-109-857-11	ELECT	47uF	20%	63V
C150	1-136-298-00	FILM	0.0033uF	5%	100V
C151	1-136-298-00	FILM	0.0033uF	5%	100V
C152	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C153	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C154	1-115-651-11	ELECT	100uF	20%	16V
C155	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C156	1-115-651-11	ELECT	100uF	20%	16V
C157	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C158	1-137-352-11	FILM	0.033uF	5%	100V
C159	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C160	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C161	1-137-352-11	FILM	0.033uF	5%	100V
C162	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C163	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C164	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C165	1-136-298-00	FILM	0.0033uF	5%	100V
C166	1-136-298-00	FILM	0.0033uF	5%	100V
C167	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C168	1-115-651-11	ELECT	100uF	20%	16V
C169	1-109-857-11	ELECT	47uF	20%	63V
C170	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C171	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C172	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C173	1-137-352-11	FILM	0.033uF	5%	100V
C174	1-137-352-11	FILM	0.033uF	5%	100V
C175	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C176	1-115-651-11	ELECT	100uF	20%	16V
C177	1-127-956-21	FILM CHIP	0.1uF	5%	16V

AUDIO

Ref. No.	Part No.	Description			Remark
C178	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C179	1-109-857-11	ELECT	47uF	20%	63V
C180	1-136-298-00	FILM	0.0033uF	5%	100V
C181	1-136-298-00	FILM	0.0033uF	5%	100V
C182	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C183	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C184	1-115-651-11	ELECT	100uF	20%	16V
C185	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C186	1-115-651-11	ELECT	100uF	20%	16V
C187	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C188	1-137-352-11	FILM	0.033uF	5%	100V
C189	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C190	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C191	1-137-352-11	FILM	0.033uF	5%	100V
C192	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C193	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C194	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C195	1-136-298-00	FILM	0.0033uF	5%	100V
C196	1-136-298-00	FILM	0.0033uF	5%	100V
C197	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C198	1-115-651-11	ELECT	100uF	20%	16V
C199	1-109-857-11	ELECT	47uF	20%	63V
C200	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C201	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C202	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C203	1-137-352-11	FILM	0.033uF	5%	100V
C204	1-137-352-11	FILM	0.033uF	5%	100V
C205	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C206	1-115-651-11	ELECT	100uF	20%	16V
C207	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C208	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C209	1-109-857-11	ELECT	47uF	20%	63V
C210	1-136-298-00	FILM	0.0033uF	5%	100V
C211	1-136-298-00	FILM	0.0033uF	5%	100V
C212	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C213	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C214	1-115-651-11	ELECT	100uF	20%	16V
C215	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C216	1-115-651-11	ELECT	100uF	20%	16V
C217	1-137-352-11	FILM	0.033uF	5%	100V
C218	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C219	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C220	1-137-352-11	FILM	0.033uF	5%	100V
C221	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C222	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C223	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C224	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C225	1-136-298-00	FILM	0.0033uF	5%	100V
C226	1-136-298-00	FILM	0.0033uF	5%	100V
C227	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C228	1-115-651-11	ELECT	100uF	20%	16V
C229	1-109-857-11	ELECT	47uF	20%	63V
C230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C231	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C232	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C233	1-137-352-11	FILM	0.033uF	5%	100V
C234	1-137-352-11	FILM	0.033uF	5%	100V
C235	1-127-956-21	FILM CHIP	0.1uF	5%	16V

Ref. No.	Part No.	Description			Remark
C236	1-115-651-11	ELECT	100uF	20%	16V
C237	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C238	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C239	1-109-857-11	ELECT	47uF	20%	63V
C240	1-136-298-00	FILM	0.0033uF	5%	100V
C241	1-136-298-00	FILM	0.0033uF	5%	100V
C242	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C243	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C244	1-115-651-11	ELECT	100uF	20%	16V
C245	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C246	1-115-651-11	ELECT	100uF	20%	16V
C247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C248	1-137-352-11	FILM	0.033uF	5%	100V
C249	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C250	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C251	1-137-352-11	FILM	0.033uF	5%	100V
C252	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C253	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C254	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C255	1-136-298-00	FILM	0.0033uF	5%	100V
C256	1-136-298-00	FILM	0.0033uF	5%	100V
C257	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C258	1-115-651-11	ELECT	100uF	20%	16V
C259	1-109-857-11	ELECT	47uF	20%	63V
C260	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C261	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C262	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C263	1-137-352-11	FILM	0.033uF	5%	100V
C264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C265	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C266	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C268	1-137-681-11	FILM CHIP	0.1uF	20%	16V (AEP, UK, RU)
C269	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C270	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C271	1-115-667-11	ELECT	10uF	20%	50V
C273	1-115-667-11	ELECT	10uF	20%	50V
C274	1-115-667-11	ELECT	10uF	20%	50V
C275	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C276	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C277	1-137-352-11	FILM	0.033uF	5%	100V
C278	1-136-682-11	FILM	0.0039uF	5%	100V
C279	1-136-682-11	FILM	0.0039uF	5%	100V
C280	1-136-682-11	FILM	0.0039uF	5%	100V
C281	1-136-682-11	FILM	0.0039uF	5%	100V
C282	1-136-682-11	FILM	0.0039uF	5%	100V
C283	1-136-682-11	FILM	0.0039uF	5%	100V
C284	1-136-682-11	FILM	0.0039uF	5%	100V
C285	1-136-682-11	FILM	0.0039uF	5%	100V
C286	1-136-682-11	FILM	0.0039uF	5%	100V
C287	1-136-682-11	FILM	0.0039uF	5%	100V
C288	1-136-682-11	FILM	0.0039uF	5%	100V
C289	1-136-682-11	FILM	0.0039uF	5%	100V
C290	1-136-682-11	FILM	0.0039uF	5%	100V
C291	1-136-682-11	FILM	0.0039uF	5%	100V
C292	1-136-682-11	FILM	0.0039uF	5%	100V
C293	1-136-682-11	FILM	0.0039uF	5%	100V

Ref. No.	Part No.	Description			Remark
C294	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C295	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C296	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C299	1-137-681-11	FILM CHIP	0.1uF	20%	16V
					(AEP, UK, RU)
C300	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C301	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C302	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C303	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C304	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C305	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C306	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C307	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C308	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C309	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C310	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C311	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C312	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C313	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C314	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C346	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
		< CONNECTOR >			
CN101	1-794-032-21	PIN, CONNECTOR (PC BOARD) 11P			
CN102	1-794-509-11	PIN, CONNECTOR (PC BOARD) 3P			
					(AEP, UK, RU)
CN106	1-784-382-21	CONNECTOR, FFC/FPC 25P			
CN107	1-778-957-11	CONNECTOR, FFC/FPC 29P			
CN109	1-784-365-21	CONNECTOR, FFC/FPC 5P			
		< DIODE >			
D101	8-719-049-09	DIODE 1SS367-T3SONY			
D102	8-719-029-66	DIODE RD5.1UJN-T1			
D103	8-719-029-66	DIODE RD5.1UJN-T1			
D104	8-719-029-66	DIODE RD5.1UJN-T1			
D105	8-719-049-09	DIODE 1SS367-T3SONY			
D106	6-500-219-01	DIODE 1SS404 (TPH3)			
D107	8-719-049-09	DIODE 1SS367-T3SONY			
D108	8-719-049-09	DIODE 1SS367-T3SONY			
D109	6-500-219-01	DIODE 1SS404 (TPH3)			
D110	8-719-029-66	DIODE RD5.1UJN-T1			
		< FERRITE BEAD >			
FB102	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB103	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB104	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB105	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB106	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB107	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB108	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB110	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB111	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB112	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB113	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB114	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB115	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB116	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB117	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB118	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB119	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB120	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB121	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB122	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB123	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB124	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB125	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB126	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB127	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB128	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB129	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB130	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB131	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB132	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB133	1-500-283-11	INDUCTOR, FERRITE BEAD			
FB134	1-500-283-11	INDUCTOR, FERRITE BEAD			
		< RESISTOR >			
⚠FR102	1-240-306-51	FUSIBLE	15	5%	1/4W F
⚠FR104	1-219-153-11	FUSIBLE	10	5%	1/4W F
⚠FR106	1-219-786-11	FUSIBLE	22	5%	1/4W F
		< IC >			
IC101	8-759-566-39	IC OPA2132UA/2K5			
IC102	8-759-566-39	IC OPA2132UA/2K5			
IC103	6-702-302-01	IC TK11133CSCL-G			
IC104	6-708-057-01	IC SN74LVC1404DCTRE6			
IC105	8-759-680-48	IC TC7WH157FK (TE85R)			
IC106	8-759-549-20	IC SN74LV541APWR			
IC107	8-759-549-20	IC SN74LV541APWR			
IC108	6-705-337-01	IC TK11150CSCL-G			
IC109	8-759-549-20	IC SN74LV541APWR			
IC110	8-759-549-20	IC SN74LV541APWR			
IC111	6-707-503-01	IC DSD1796DBR			
IC112	8-759-566-39	IC OPA2132UA/2K5			
IC113	8-759-566-39	IC OPA2132UA/2K5			
IC114	8-759-566-39	IC OPA2132UA/2K5			
IC115	6-707-503-01	IC DSD1796DBR			
IC116	8-759-566-39	IC OPA2132UA/2K5			
IC117	8-759-566-39	IC OPA2132UA/2K5			
IC118	8-759-566-39	IC OPA2132UA/2K5			
IC119	6-707-503-01	IC DSD1796DBR			
IC120	8-759-566-39	IC OPA2132UA/2K5			
IC121	8-759-566-39	IC OPA2132UA/2K5			
IC122	8-759-566-39	IC OPA2132UA/2K5			
IC123	6-707-503-01	IC DSD1796DBR			
IC124	8-759-566-39	IC OPA2132UA/2K5			
IC125	8-759-566-39	IC OPA2132UA/2K5			
IC126	8-759-566-39	IC OPA2132UA/2K5			
IC128	8-759-711-85	IC NJM4580E-D (AEP, UK, RU)			
IC129	8-759-711-85	IC NJM4580E-D			
		< JACK >			
J101	1-785-489-11	JACK, PIN 6P (5.1CH OUTPUT FRONT/REAR/CENTER/WOOFER)			
J102	1-784-430-11	JACK, PIN 4P (AUDIO OUTPUT 1/2)			

AUDIO

Ref. No.	Part No.	Description			Remark
		< FILTER/COIL >			
L101	1-424-122-11	FILTER, NOISE			
L102	1-424-122-11	FILTER, NOISE			
L345	1-412-056-11	INDUCTOR	4.7uH (AEP, UK, RU)		
L346	1-412-056-11	INDUCTOR	4.7uH (AEP, UK, RU)		
L347	1-412-056-11	INDUCTOR	4.7uH (AEP, UK, RU)		
L348	1-412-056-11	INDUCTOR	4.7uH		
L349	1-412-056-11	INDUCTOR	4.7uH		
L350	1-412-056-11	INDUCTOR	4.7uH		
L351	1-412-056-11	INDUCTOR	4.7uH		
L352	1-412-056-11	INDUCTOR	4.7uH		
L353	1-412-056-11	INDUCTOR	4.7uH		
L354	1-412-056-11	INDUCTOR	4.7uH		
L355	1-412-056-11	INDUCTOR	4.7uH		
		< TRANSISTOR >			
Q101	8-729-230-27	TRANSISTOR	2SA1213Y-TE12L		
Q102	8-729-232-69	FET	2SK208-GR3		
Q103	8-729-202-05	TRANSISTOR	2SC2873-O		
Q104	8-729-209-60	TRANSISTOR	2SB1375		
Q105	8-729-209-60	TRANSISTOR	2SB1375		
Q106	8-729-209-60	TRANSISTOR	2SB1375		
Q107	8-729-202-05	TRANSISTOR	2SC2873-O		
Q108	8-729-018-60	TRANSISTOR	2SD2012-LC		
Q109	8-729-202-05	TRANSISTOR	2SC2873-O		
Q110	8-729-232-69	FET	2SK208-GR3		
Q111	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q112	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q113	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q114	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q115	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q116	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q117	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q118	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q119	8-729-924-04	TRANSISTOR	DTA143TU		
Q120	8-729-924-04	TRANSISTOR	DTA143TU		
Q121	8-729-018-60	TRANSISTOR	2SD2012-LC		
Q122	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		(AEP, UK, RU)
Q123	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q124	8-729-232-69	FET	2SK208-GR3		
Q125	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		(AEP, UK, RU)
Q126	8-729-027-50	TRANSISTOR	DTC123JKA-T146		
Q127	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q128	8-729-202-05	TRANSISTOR	2SC2873-O		
Q129	8-729-230-27	TRANSISTOR	2SA1213Y-TE12L		
Q130	8-729-232-69	FET	2SK208-GR3		
		< RESISTOR >			
R102	1-216-182-00	RES-CHIP	220	5%	1/8W
R103	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R104	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R106	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R108	1-216-805-11	METAL CHIP	47	5%	1/10W
R109	1-216-182-00	RES-CHIP	220	5%	1/8W
R110	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R112	1-216-821-11	METAL CHIP	1K	5%	1/10W
R113	1-216-797-11	METAL CHIP	10	5%	1/10W
R114	1-216-809-11	METAL CHIP	100	5%	1/10W
R115	1-218-698-11	METAL CHIP	1.8K	0.5%	1/10W
R116	1-218-685-11	METAL CHIP	510	0.5%	1/10W
R117	1-216-178-00	RES-CHIP	150	5%	1/8W
R118	1-216-809-11	METAL CHIP	100	5%	1/10W
R119	1-216-797-11	METAL CHIP	10	5%	1/10W
R120	1-216-809-11	METAL CHIP	100	5%	1/10W
R121	1-216-809-11	METAL CHIP	100	5%	1/10W
R122	1-216-178-00	RES-CHIP	150	5%	1/8W
R123	1-218-685-11	METAL CHIP	510	0.5%	1/10W
R124	1-218-698-11	METAL CHIP	1.8K	0.5%	1/10W
R125	1-216-182-00	RES-CHIP	220	5%	1/8W
R126	1-216-797-11	METAL CHIP	10	5%	1/10W
R127	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R128	1-216-805-11	METAL CHIP	47	5%	1/10W
R129	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R130	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R131	1-216-805-11	METAL CHIP	47	5%	1/10W
R132	1-216-821-11	METAL CHIP	1K	5%	1/10W
R133	1-216-864-11	SHORT CHIP	0		
R134	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R135	1-218-776-11	METAL CHIP	1M	0.5%	1/10W
R136	1-216-810-11	METAL CHIP	120	5%	1/10W
R137	1-216-805-11	METAL CHIP	47	5%	1/10W
R138	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R139	1-216-797-11	METAL CHIP	10	5%	1/10W
R140	1-216-805-11	METAL CHIP	47	5%	1/10W
R141	1-216-809-11	METAL CHIP	100	5%	1/10W
R142	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R143	1-216-810-11	METAL CHIP	120	5%	1/10W
R144	1-216-811-11	METAL CHIP	150	5%	1/10W
R145	1-216-811-11	METAL CHIP	150	5%	1/10W
R147	1-216-801-11	METAL CHIP	22	5%	1/10W
R148	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R149	1-216-811-11	METAL CHIP	150	5%	1/10W
R150	1-216-811-11	METAL CHIP	150	5%	1/10W
R151	1-216-813-11	METAL CHIP	220	5%	1/10W
R152	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R153	1-216-811-11	METAL CHIP	150	5%	1/10W
R154	1-216-801-11	METAL CHIP	22	5%	1/10W
R155	1-216-811-11	METAL CHIP	150	5%	1/10W
R156	1-216-813-11	METAL CHIP	220	5%	1/10W
R157	1-216-797-11	METAL CHIP	10	5%	1/10W
R158	1-216-178-00	RES-CHIP	150	5%	1/8W
R159	1-216-178-00	RES-CHIP	150	5%	1/8W
R160	1-216-813-11	METAL CHIP	220	5%	1/10W
R161	1-216-182-00	RES-CHIP	220	5%	1/8W
R162	1-216-811-11	METAL CHIP	150	5%	1/10W
R163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R164	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R165	1-216-797-11	METAL CHIP	10	5%	1/10W
R166	1-216-811-11	METAL CHIP	150	5%	1/10W
R168	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R169	1-216-797-11	METAL CHIP	10	5%	1/10W

Ref. No.	Part No.	Description			Remark
R170	1-216-811-11	METAL CHIP	150	5%	1/10W
R171	1-216-797-11	METAL CHIP	10	5%	1/10W
R172	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R173	1-216-811-11	METAL CHIP	150	5%	1/10W
R174	1-216-797-11	METAL CHIP	10	5%	1/10W
R175	1-216-813-11	METAL CHIP	220	5%	1/10W
R176	1-216-811-11	METAL CHIP	150	5%	1/10W
R177	1-216-817-11	METAL CHIP	470	5%	1/10W
R178	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R179	1-216-811-11	METAL CHIP	150	5%	1/10W
R181	1-218-674-11	METAL CHIP	180	0.5%	1/10W
R182	1-216-801-11	METAL CHIP	22	5%	1/10W
R183	1-216-813-11	METAL CHIP	220	5%	1/10W
R185	1-216-811-11	METAL CHIP	150	5%	1/10W
R186	1-216-813-11	METAL CHIP	220	5%	1/10W
R187	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R188	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R189	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R190	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R191	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R192	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R193	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R194	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R195	1-216-841-11	METAL CHIP	47K	5%	1/10W
R196	1-216-821-11	METAL CHIP	1K	5%	1/10W
R197	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R198	1-218-716-11	METAL CHIP	10K	0.5%	1/10W
R199	1-216-809-11	METAL CHIP	100	5%	1/10W
R200	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R201	1-216-821-11	METAL CHIP	1K	5%	1/10W
R202	1-216-821-11	METAL CHIP	1K	5%	1/10W
R203	1-216-809-11	METAL CHIP	100	5%	1/10W
R204	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R205	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R206	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R207	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R208	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R209	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R210	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R211	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R212	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R213	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R214	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R215	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R216	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R217	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R218	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R219	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R220	1-216-805-11	METAL CHIP	47	5%	1/10W
R221	1-216-821-11	METAL CHIP	1K	5%	1/10W
R222	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R223	1-218-716-11	METAL CHIP	10K	0.5%	1/10W
R224	1-216-809-11	METAL CHIP	100	5%	1/10W
R225	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R226	1-216-821-11	METAL CHIP	1K	5%	1/10W
R227	1-216-817-11	METAL CHIP	470	5%	1/10W
R228	1-216-809-11	METAL CHIP	100	5%	1/10W
R229	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R230	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R231	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R232	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R233	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R234	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R235	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R236	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R237	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R238	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R239	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R240	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R241	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R242	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R243	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R244	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R246	1-216-821-11	METAL CHIP	1K	5%	1/10W
R247	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R248	1-218-716-11	METAL CHIP	10K	0.5%	1/10W
R249	1-216-809-11	METAL CHIP	100	5%	1/10W
R250	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R251	1-216-821-11	METAL CHIP	1K	5%	1/10W
R253	1-216-809-11	METAL CHIP	100	5%	1/10W
R254	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R255	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R256	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R257	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R258	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R259	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R260	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R261	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R262	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R263	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R264	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R265	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R266	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R267	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R268	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R269	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R271	1-216-603-11	METAL CHIP	10	0.5%	1/10W (EXCEPT KR)
R271	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R272	1-216-821-11	METAL CHIP	1K	5%	1/10W
R273	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R274	1-216-603-11	METAL CHIP	10	0.5%	1/10W (EXCEPT KR)
R274	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R275	1-218-716-11	METAL CHIP	10K	0.5%	1/10W
R276	1-216-809-11	METAL CHIP	100	5%	1/10W
R277	1-216-603-11	METAL CHIP	10	0.5%	1/10W (EXCEPT KR)
R277	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R278	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R279	1-216-821-11	METAL CHIP	1K	5%	1/10W
R281	1-216-603-11	METAL CHIP	10	0.5%	1/10W (EXCEPT KR)

AUDIO **BU**

Ref. No.	Part No.	Description			Remark
R281	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R282	1-216-809-11	METAL CHIP	100	5%	1/10W
R283	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R284	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R285	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R286	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R287	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R288	1-216-639-11	METAL CHIP	330	0.5%	1/10W
R289	1-216-649-11	METAL CHIP	820	0.5%	1/10W
R290	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R294	1-216-821-11	METAL CHIP	1K	5%	1/10W
R295	1-216-821-11	METAL CHIP	1K	5%	1/10W
R296	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R297	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R298	1-216-845-11	METAL CHIP	100K	5%	1/10W
R302	1-216-864-11	SHORT CHIP	0		
R303	1-216-864-11	SHORT CHIP	0		
R304	1-216-864-11	SHORT CHIP	0		
R305	1-216-639-11	METAL CHIP	330	0.5%	1/10W (AEP, UK, RU)
R306	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R307	1-216-864-11	SHORT CHIP	0		
R308	1-216-639-11	METAL CHIP	330	0.5%	1/10W (AEP, UK, RU)
R309	1-216-864-11	SHORT CHIP	0		
R311	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R312	1-218-685-11	METAL CHIP	510	0.5%	1/10W
R313	1-218-688-11	METAL CHIP	680	0.5%	1/10W
R314	1-218-696-11	METAL CHIP	1.5K	0.5%	1/10W
R315	1-218-696-11	METAL CHIP	1.5K	0.5%	1/10W
R316	1-218-680-11	METAL CHIP	330	0.5%	1/10W
R317	1-216-849-11	METAL CHIP	220K	5%	1/10W
R318	1-216-849-11	METAL CHIP	220K	5%	1/10W
R319	1-216-849-11	METAL CHIP	220K	5%	1/10W
R320	1-216-849-11	METAL CHIP	220K	5%	1/10W
R321	1-216-849-11	METAL CHIP	220K	5%	1/10W
R322	1-216-849-11	METAL CHIP	220K	5%	1/10W
R323	1-216-849-11	METAL CHIP	220K	5%	1/10W
R324	1-216-849-11	METAL CHIP	220K	5%	1/10W
R332	1-218-688-11	METAL CHIP	680	0.5%	1/10W
R333	1-216-295-00	SHORT CHIP	0 (EXCEPT KR)		
R333	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R334	1-216-295-00	SHORT CHIP	0 (EXCEPT KR)		
R334	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R335	1-216-295-00	SHORT CHIP	0 (EXCEPT KR)		
R335	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R336	1-216-295-00	SHORT CHIP	0 (EXCEPT KR)		
R336	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R337	1-216-295-00	SHORT CHIP	0 (EXCEPT KR)		
R337	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R338	1-216-295-00	SHORT CHIP	0 (EXCEPT KR)		
R338	1-216-635-11	METAL CHIP	220	0.5%	1/10W (KR)
R348	1-216-809-11	METAL CHIP	100	5%	1/10W
R349	1-216-809-11	METAL CHIP	100	5%	1/10W
R350	1-216-809-11	METAL CHIP	100	5%	1/10W
R351	1-216-809-11	METAL CHIP	100	5%	1/10W
R352	1-216-809-11	METAL CHIP	100	5%	1/10W
R353	1-216-809-11	METAL CHIP	100	5%	1/10W
R354	1-216-809-11	METAL CHIP	100	5%	1/10W
R355	1-216-809-11	METAL CHIP	100	5%	1/10W
R356	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
R357	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
R358	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
R359	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
R360	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
R361	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
R362	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
R363	1-218-712-11	METAL CHIP	6.8K	0.5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB303	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB304	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
RB305	1-239-409-11	RES, CHIP NETWORK 47 (3216)			
		< VIBRATOR >			
X322	1-767-406-21	VIBRATOR, CRYSTAL (11.2896MHz)			
**********					
	A-1088-545-A	BU BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C117	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C121	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C131	1-117-681-11	ELECT CHIP	100uF	20%	16V
C132	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C135	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C137	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C140	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C150	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C151	1-117-681-11	ELECT CHIP	100uF	20%	16V
C152	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C153	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C154	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C155	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C156	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C158	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C160	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C170	1-117-681-11	ELECT CHIP	100uF	20%	16V
C172	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
		< CONNECTOR >			
CN001	1-815-031-61	CONNECTOR, FFC/FPC (ZIF) 24P			
CN002	1-784-861-21	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
CN003	1-784-879-21	CONNECTOR, FFC (LIF (NON-ZIF)) 31P			

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D504	8-719-071-15	DIODE HZM6.8ZWA1TL			
		< COIL >			
L102	1-410-389-31	INDUCTOR	47uH		
L103	1-410-389-31	INDUCTOR	47uH		
		< TRANSISTOR >			
Q101	8-729-903-46	TRANSISTOR	2SB1132-P		
Q102	6-550-545-01	TRANSISTOR	2SC4617FTLQ		
Q103	8-729-903-46	TRANSISTOR	2SB1132-P		
Q104	6-550-545-01	TRANSISTOR	2SC4617FTLQ		
		< RESISTOR >			
R120	1-216-801-11	METAL CHIP	22	5%	1/10W
R123	1-216-801-11	METAL CHIP	22	5%	1/10W
R136	1-216-814-11	METAL CHIP	270	5%	1/10W
R137	1-216-813-11	METAL CHIP	220	5%	1/10W
R140	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R151	1-216-801-11	METAL CHIP	22	5%	1/10W
R156	1-216-801-11	METAL CHIP	22	5%	1/10W
R160	1-216-814-11	METAL CHIP	270	5%	1/10W
R161	1-216-813-11	METAL CHIP	220	5%	1/10W
R163	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R195	1-216-845-11	METAL CHIP	100K	5%	1/10W
R196	1-216-845-11	METAL CHIP	100K	5%	1/10W
R197	1-216-845-11	METAL CHIP	100K	5%	1/10W
R198	1-216-845-11	METAL CHIP	100K	5%	1/10W
R199	1-216-809-11	METAL CHIP	100	5%	1/10W
**********					
	A-1088-390-A	DISPLAY BOARD, COMPLETE			
		**********			
	2-389-320-01	CUSHION			
*	4-996-686-04	HOLDER (FL)			
		< CAPACITOR >			
C800	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C801	1-117-681-11	ELECT CHIP	100uF	20%	16V
C810	1-162-922-11	CERAMIC CHIP	39PF	5%	50V
C811	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C812	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C813	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C814	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C815	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C816	1-117-681-11	ELECT CHIP	100uF	20%	16V
C819	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C821	1-165-629-11	CERAMIC CHIP	1uF	10%	50V
C822	1-137-150-11	FILM	0.01uF	5%	100V
C823	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C824	1-128-405-11	ELECT CHIP	22uF	20%	50V
C825	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C826	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C827	1-128-405-11	ELECT CHIP	22uF	20%	50V
C830	1-117-681-11	ELECT CHIP	100uF	20%	16V
C832	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C833	1-117-681-11	ELECT CHIP	100uF	20%	16V
C871	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C872	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C873	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C874	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C875	1-117-681-11	ELECT CHIP	100uF	20%	16V
		< CONNECTOR >			
CN830	1-580-789-91	PIN, CONNECTOR 6P			
* CN831	1-793-141-21	PIN, CONNECTOR (PC BOARD) 15P			
CN832	1-691-591-91	PIN, CONNECTOR 8P			
		< DIODE >			
D820	8-719-070-32	DIODE PTZ-TE25-9.1B			
D821	8-719-041-97	DIODE MA113- (TX)			
D822	8-719-041-97	DIODE MA113- (TX)			
D823	8-719-041-97	DIODE MA113- (TX)			
D824	8-719-041-97	DIODE MA113- (TX)			
		< FLUORESCENT INDICATOR >			
FL801	1-519-786-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC800	6-600-349-31	IC NJL24H400A			
IC801	6-706-404-01	IC ML9208-04MBZ03B			
IC871	6-707-208-01	IC TK11100CSCB-G			
		< COIL >			
L820	1-412-537-31	INDUCTOR	100uH		
		< TRANSISTOR >			
Q709	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q710	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q711	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16		
Q820	8-729-808-42	TRANSISTOR	2SD1624-T		
Q821	8-729-808-42	TRANSISTOR	2SD1624-T		
Q871	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R800	1-216-809-11	METAL CHIP	100	5%	1/10W
R801	1-216-805-11	METAL CHIP	47	5%	1/10W
R804	1-216-296-11	SHORT CHIP	0		
R805	1-216-845-11	METAL CHIP	100K	5%	1/10W
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-845-11	METAL CHIP	100K	5%	1/10W
R808	1-216-809-11	METAL CHIP	100	5%	1/10W
R809	1-216-845-11	METAL CHIP	100K	5%	1/10W
R810	1-216-809-11	METAL CHIP	100	5%	1/10W
R811	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R812	1-216-809-11	METAL CHIP	100	5%	1/10W
R813	1-216-809-11	METAL CHIP	100	5%	1/10W
R814	1-216-809-11	METAL CHIP	100	5%	1/10W
R815	1-216-809-11	METAL CHIP	100	5%	1/10W
R816	1-216-864-11	SHORT CHIP	0		
R817	1-216-864-11	SHORT CHIP	0		
R819	1-216-864-11	SHORT CHIP	0		
R822	1-216-837-11	METAL CHIP	22K	5%	1/10W

DISPLAY **JOG** **KEY-A** **KEY-B**

Ref. No.	Part No.	Description			Remark
R825	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R871	1-216-864-11	SHORT CHIP	0		
R872	1-218-911-11	METAL CHIP	470K	0.5%	1/10W
R873	1-218-891-11	METAL CHIP	68K	0.5%	1/10W
R874	1-216-809-11	METAL CHIP	100	5%	1/10W
R875	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< TRANSFORMER >			
T700	1-443-563-01	TRANSFORMER, DC-DC CONVERTER			
**********					
		JOG BOARD			
		**********			
		< CONNECTOR >			
CN851	1-580-057-91	PIN, CONNECTOR 4P			
		< LEAD >			
LP805	1-775-377-51	LEAD (WITH CONNECTOR)			
		< JUMPER RESISTOR >			
R855	1-216-864-11	SHORT CHIP	0		
R856	1-216-864-11	SHORT CHIP	0		
R857	1-216-864-11	SHORT CHIP	0		
R858	1-216-864-11	SHORT CHIP	0		
		< ROTARY ENCODER >			
RE851	1-475-543-11	ENCODER, ROTARY (⏮ ⏭, PUSH ENTER)			
**********					
		KEY-A BOARD			
		**********			
		< CONNECTOR >			
CN840	1-784-871-21	CONNECTOR, FFC (LIF (NON-ZIF)) 19P			
* CN841	1-793-141-21	PIN, CONNECTOR (PC BOARD) 15P			
CN842	1-580-057-91	PIN, CONNECTOR 4P			
		< LED >			
D847	8-719-046-39	LED SEL5821A-TP15 (⏸)			
D848	8-719-046-41	LED SEL5521C-TP15 (▶)			
		< TRANSISTOR >			
Q840	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q841	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R840	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R841	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R842	1-216-821-11	METAL CHIP	1K	5%	1/10W
R843	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R844	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R846	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R847	1-216-817-11	METAL CHIP	470	5%	1/10W
R848	1-216-813-11	METAL CHIP	220	5%	1/10W
R849	1-216-817-11	METAL CHIP	470	5%	1/10W
R850	1-216-813-11	METAL CHIP	220	5%	1/10W

Ref. No.	Part No.	Description			Remark
R851	1-216-809-11	METAL CHIP	100	5%	1/10W
R852	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S840	1-762-875-21	SWITCH, KEYBOARD (■)			
S841	1-762-875-21	SWITCH, KEYBOARD (⏏)			
S842	1-762-875-21	SWITCH, KEYBOARD (⏸)			
S843	1-762-875-21	SWITCH, KEYBOARD (▶)			
**********					
		KEY-B BOARD			
		**********			
		< CAPACITOR >			
C831	1-117-681-11	ELECT CHIP	100uF	20%	16V
C861	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN861	1-691-591-91	PIN, CONNECTOR 8P			
		< DIODE >			
D860	8-719-071-15	DIODE HZM6.8ZWA1TL			
D861	8-719-072-76	LED SEL5E23C-TP15 (i.LINK)			
D862	8-719-046-39	LED SEL5821A-TP15 (VIDEO OFF)			
D863	8-719-046-39	LED SEL5821A-TP15 (DIMMER)			
		< FERRITE BEAD >			
FB861	1-500-245-11	INDUCTOR, FERRITE BEAD			
		< TRANSISTOR >			
Q861	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q863	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q865	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R860	1-216-833-11	METAL CHIP	10K	5%	1/10W
R861	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R862	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R863	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R864	1-216-821-11	METAL CHIP	1K	5%	1/10W
R865	1-216-809-11	METAL CHIP	100	5%	1/10W
R866	1-216-809-11	METAL CHIP	100	5%	1/10W
R867	1-216-817-11	METAL CHIP	470	5%	1/10W
R868	1-216-813-11	METAL CHIP	220	5%	1/10W
R869	1-216-817-11	METAL CHIP	470	5%	1/10W
R870	1-216-813-11	METAL CHIP	220	5%	1/10W
R886	1-216-809-11	METAL CHIP	100	5%	1/10W
R887	1-216-809-11	METAL CHIP	100	5%	1/10W
R888	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S860	1-762-875-21	SWITCH, KEYBOARD (I/⏻)			
S861	1-762-875-21	SWITCH, KEYBOARD (MULTI/2CH)			
S862	1-762-875-21	SWITCH, KEYBOARD (SA-CD/CD)			
S863	1-762-875-21	SWITCH, KEYBOARD (VIDEO OFF)			
S864	1-762-875-21	SWITCH, KEYBOARD (DIMMER)			
S865	1-762-875-21	SWITCH, KEYBOARD (i.LINK)			
**********					

Ref. No.	Part No.	Description			Remark
	1-645-721-11	LOADING BOARD			
		**********			
		< CONNECTOR >			
* CN151	1-568-943-11	PIN, CONNECTOR 5P			
		< SWITCH >			
S151	1-572-086-11	SWITCH, LEAF (LOADING OUT)			
S152	1-572-086-11	SWITCH, LEAF (LOADING IN)			
**********					
		MAIN BOARD			
		**********			
		< CAPACITOR >			
C102	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C103	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C104	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C105	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C106	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C107	1-135-347-21	ELECT CHIP	82uF	20%	16V
C108	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C109	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C110	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C111	1-128-536-11	ELECT CHIP	100uF	20%	25V
C112	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C113	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C114	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C115	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C116	1-165-872-21	ELCT CHIP	47uF	20%	6.3V
C117	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C118	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C119	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C120	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C121	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C122	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C123	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C124	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C125	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C126	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C127	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C128	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C129	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C130	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C131	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C132	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C133	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C134	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C135	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C136	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C137	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C138	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C139	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C140	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C141	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C142	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C143	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C144	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C145	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C146	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C147	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C148	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C150	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C151	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C153	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C154	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C155	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C156	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C158	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C159	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C160	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C161	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C162	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C164	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C165	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C166	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C167	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C170	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C172	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C173	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C174	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C175	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C176	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C178	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C179	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C180	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C181	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
C182	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C183	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C184	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C185	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C186	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C187	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C188	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C189	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C190	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C191	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C192	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C193	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C194	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C195	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C196	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C197	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C198	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C199	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C200	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C207	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C208	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C209	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C210	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C212	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C214	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

MAIN

Ref. No.	Part No.	Description			Remark
C215	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C217	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C218	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C219	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C227	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C232	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C233	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C252	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C255	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C256	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C258	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C259	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C260	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C261	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C262	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C263	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C266	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C267	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C268	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C269	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C272	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C273	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C274	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C276	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C278	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C280	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C281	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C282	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C284	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C285	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C286	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C288	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C289	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C290	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C291	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C292	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C293	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C294	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C295	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C296	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C297	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C298	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C299	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C300	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C301	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C302	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C303	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C304	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C305	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C306	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C307	1-131-661-21	ELECT CHIP	100uF	20%	10V
C308	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C309	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C310	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C311	1-128-536-11	ELECT CHIP	100uF	20%	25V
C313	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C314	1-100-635-21	ELECT CHIP	82uF	20%	4V
C315	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C316	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C317	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C318	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C319	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C320	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C321	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C322	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C323	1-126-412-11	ELECT CHIP	220uF	20%	4V
C324	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C326	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C327	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C328	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C329	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C330	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C331	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C332	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C333	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C334	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C335	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C336	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C337	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C338	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C339	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C340	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C341	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C342	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C343	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C344	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C345	1-131-661-21	ELECT CHIP	100uF	20%	10V
C346	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C347	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C348	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C349	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C350	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C352	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C353	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C354	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C355	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C356	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C357	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C358	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C359	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C360	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C361	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C362	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C363	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C364	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C400	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C401	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C403	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C405	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C406	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C407	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C408	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C409	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C410	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C411	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C412	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C413	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C415	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C416	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C417	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C419	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C420	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C421	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C423	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C424	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C425	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C427	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C428	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C429	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C430	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C431	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C432	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C433	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C434	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C435	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C436	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C437	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C438	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C439	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C441	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C443	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C444	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C486	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C492	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C493	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C494	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C495	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C496	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C497	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C498	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C499	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C500	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C501	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C503	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C506	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C508	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C512	1-100-635-21	ELECT CHIP	82uF	20%	4V
C513	1-100-635-21	ELECT CHIP	82uF	20%	4V
C514	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C522	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C528	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C529	1-100-635-21	ELECT CHIP	82uF	20%	4V
C530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C540	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C541	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C542	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C543	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C544	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C545	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C546	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C547	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C548	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C549	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C551	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C553	1-100-635-21	ELECT CHIP	82uF	20%	4V
C554	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C555	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C556	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C558	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C559	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C560	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C561	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C564	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C565	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C571	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C572	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C573	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C574	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

MAIN

Ref. No.	Part No.	Description			Remark
C575	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C576	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C577	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C578	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C580	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C581	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C582	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C583	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C584	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C585	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C586	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C588	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C589	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C590	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C593	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C594	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C595	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C596	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C597	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C598	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C599	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C600	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C602	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C603	1-127-710-11	ELECT CHIP	47uF	20%	6.3V
C604	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C605	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C607	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C608	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C609	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C610	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C611	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C612	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C613	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C614	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C615	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C616	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C617	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C618	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C619	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C620	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C621	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C622	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C623	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C624	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C625	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C626	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C627	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C628	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C629	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C630	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C633	1-131-661-21	ELECT CHIP	100uF	20%	10V
C634	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C635	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C636	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C637	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C638	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C639	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C640	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C641	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C642	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C643	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C644	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C645	1-131-661-21	ELECT CHIP	100uF	20%	10V
C646	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C647	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C648	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C649	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C650	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C651	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C652	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C653	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C654	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C655	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C656	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C657	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C658	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C659	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C660	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C663	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C664	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C665	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C666	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C667	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C668	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C669	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C670	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C671	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C672	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C673	1-115-414-11	CERAMIC CHIP	820PF	5%	25V
C674	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C675	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C676	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C677	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C678	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C679	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C680	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C681	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C682	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C683	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C684	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C685	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C686	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C687	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C688	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C689	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C690	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C691	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C692	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C693	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C694	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C695	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

Ref. No.	Part No.	Description			Remark
C697	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C698	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C699	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C700	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C702	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C703	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C704	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C705	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C706	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C707	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C708	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C709	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C710	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C711	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C712	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C713	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C714	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C715	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C717	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C718	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C719	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C720	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C721	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C722	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C723	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C724	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C725	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C726	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C727	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C728	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C729	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C730	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C731	1-100-635-21	ELECT CHIP	82uF	20%	4V
C732	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C733	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C734	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C735	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C736	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C737	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C738	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C739	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C740	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C741	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C742	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C743	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C744	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C745	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C746	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C747	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C748	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C749	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C750	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C751	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C752	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C753	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C754	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C755	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C756	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C757	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C758	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C759	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C760	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C761	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C762	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C763	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C764	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C765	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C766	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C767	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C768	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C769	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C770	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C771	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C772	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C773	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C774	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C775	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C776	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C777	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C778	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C779	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C780	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C781	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C782	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C783	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C784	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C785	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C786	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C787	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C788	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C789	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C790	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C794	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C795	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C796	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C797	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C798	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C799	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C800	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C801	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C802	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C803	1-100-507-91	CERAMIC CHIP	4.7uF	20%	6.3V
C804	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C806	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C809	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C810	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C811	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C812	1-164-388-11	CERAMIC CHIP	270PF	5%	50V
C813	1-127-694-11	ELECT	47uF	20%	25V
C814	1-162-913-11	CERAMIC CHIP	8PF	0.5PF	50V
C815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C816	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

MAIN

Ref. No.	Part No.	Description			Remark
C817	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C818	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C819	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C820	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C821	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C822	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C823	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C824	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C825	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C826	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C827	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C828	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C829	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C830	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C831	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C832	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C833	1-100-507-91	CERAMIC CHIP	4.7uF	20%	6.3V
C834	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C835	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C836	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C837	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C838	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C839	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C840	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C841	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C842	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C843	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C844	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C845	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C846	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C847	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C848	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C849	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C852	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C853	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C854	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C855	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C856	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C857	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C858	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C860	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C861	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C862	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C863	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C864	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C865	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C868	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C869	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C870	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C873	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C875	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C876	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C877	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C883	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C884	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C885	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C886	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C887	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C888	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C889	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C890	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C891	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C892	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C893	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C894	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C895	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C896	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C897	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C898	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C899	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C907	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C909	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C910	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C911	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C912	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C913	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C914	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C915	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C916	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C917	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C918	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C919	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C920	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C921	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C922	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C933	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C943	1-165-872-21	ELECT CHIP	47uF	20%	6.3V
C950	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C951	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C953	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C963	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C967	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C970	1-100-507-91	CERAMIC CHIP	4.7uF	20%	6.3V
C971	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C972	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C973	1-100-159-11	CERAMIC CHIP	22uF	10%	6.3V
C974	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C975	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C976	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C977	1-100-507-91	CERAMIC CHIP	4.7uF	20%	6.3V
C978	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C979	1-164-185-11	CERAMIC CHIP	13PF	5%	50V
C980	1-164-185-11	CERAMIC CHIP	13PF	5%	50V
C981	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C982	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C983	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C984	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C985	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C986	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C987	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C988	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C989	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C990	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C991	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C992	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C993	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C994	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C995	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C996	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C997	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C998	1-100-635-21	ELECT CHIP	82uF	20%	4V
C999	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
* CN101	1-573-768-21	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN102	1-784-387-11	CONNECTOR, FFC/FPC 31P			
* CN104	1-573-768-21	PIN, CONNECTOR (1.5mm) (SMD) 5P			
CN252	1-816-587-21	PIN, CONNECTOR (PC BOARD) 15P			
CN253	1-764-177-11	PIN, CONNECTOR (SMD) (1.5mm) 7P			
* CN400	1-766-376-11	PIN, CONNECTOR (1.5mm) (SMD) 9P			
CN402	1-778-691-11	CONNECTOR, FFC/FPC 19P			
CN551	1-778-957-11	CONNECTOR, FFC/FPC 29P			
CN552	1-784-382-21	CONNECTOR, FFC/FPC 25P			
CN600	1-784-374-21	CONNECTOR, FFC/FPC 15P			
CN601	1-784-368-11	CONNECTOR, FFC/FPC 9P			
CN801	1-573-290-21	PIN, CONNECTOR (1.5mm) (SMD) 4P			
		< DIODE >			
D400	6-500-219-01	DIODE 1SS404 (TPH3)			
D401	8-719-988-61	DIODE 1SS355TE-17			
D600	6-500-701-01	DIODE PGB1010603NR			
D601	6-500-701-01	DIODE PGB1010603NR			
D602	6-500-701-01	DIODE PGB1010603NR			
D603	6-500-701-01	DIODE PGB1010603NR			
D604	6-500-701-01	DIODE PGB1010603NR			
D605	6-500-701-01	DIODE PGB1010603NR			
D606	6-500-701-01	DIODE PGB1010603NR			
D607	6-500-701-01	DIODE PGB1010603NR			
D610	6-500-701-01	DIODE PGB1010603NR			
D800	8-719-988-61	DIODE 1SS355TE-17			
D801	8-719-988-61	DIODE 1SS355TE-17			
D802	8-719-988-61	DIODE 1SS355TE-17			
D803	8-719-988-61	DIODE 1SS355TE-17			
D833	6-500-219-01	DIODE 1SS404 (TPH3)			
D933	6-500-219-01	DIODE 1SS404 (TPH3)			
D943	6-500-219-01	DIODE 1SS404 (TPH3)			
D953	6-500-219-01	DIODE 1SS404 (TPH3)			
		< JUMPER RESISTOR/FERRITE BEAD >			
FB262	1-216-864-11	SHORT CHIP 0			
FB307	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB311	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB312	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB313	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB317	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB323	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB333	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB343	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB345	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB346	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB353	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB363	1-469-324-21	FERRITE, EMI (SMD) (2012)			

Ref. No.	Part No.	Description	Remark
FB373	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB403	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB409	1-216-864-11	SHORT CHIP 0	
FB410	1-216-864-11	SHORT CHIP 0	
FB411	1-216-864-11	SHORT CHIP 0	
FB413	1-216-864-11	SHORT CHIP 0	
FB415	1-216-864-11	SHORT CHIP 0	
FB423	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB433	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB443	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB503	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB511	1-500-283-11	INDUCTOR, FERRITE BEAD	
FB513	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB523	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB551	1-216-864-11	SHORT CHIP 0	
FB553	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB554	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB563	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB593	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB614	1-216-864-11	SHORT CHIP 0	
FB621	1-216-864-11	SHORT CHIP 0	
FB633	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB645	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB646	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB650	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB708	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB743	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB745	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB753	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB763	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB773	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB833	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB845	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB910	1-216-864-11	SHORT CHIP 0	
FB917	1-216-864-11	SHORT CHIP 0	
FB930	1-216-864-11	SHORT CHIP 0	
FB931	1-216-864-11	SHORT CHIP 0	
FB950	1-216-864-11	SHORT CHIP 0	
FB951	1-216-864-11	SHORT CHIP 0	
FB952	1-216-864-11	SHORT CHIP 0	
FB954	1-216-864-11	SHORT CHIP 0	
FB955	1-216-864-11	SHORT CHIP 0	
FB970	1-216-864-11	SHORT CHIP 0	
FB972	1-216-864-11	SHORT CHIP 0	
FB980	1-216-864-11	SHORT CHIP 0	
FB981	1-216-864-11	SHORT CHIP 0	
		< FILTER >	
FL253	1-234-177-21	FILTER, CHIP EMI	
FL303	1-234-177-21	FILTER, CHIP EMI	
FL307	1-234-177-21	FILTER, CHIP EMI	
FL311	1-233-893-21	FILTER, CHIP EMI	
FL313	1-234-177-21	FILTER, CHIP EMI	
FL318	1-234-177-21	FILTER, CHIP EMI	
FL323	1-234-177-21	FILTER, CHIP EMI	
FL333	1-234-177-21	FILTER, CHIP EMI	
FL343	1-234-177-21	FILTER, CHIP EMI	
FL345	1-234-177-21	FILTER, CHIP EMI	

MAIN

Ref. No.	Part No.	Description	Remark
FL518	1-234-177-21	FILTER, CHIP EMI	
FL533	1-234-177-21	FILTER, CHIP EMI	
		< IC/FET >	
* IC102	6-704-542-01	IC LMV324MTX/NOPB	
IC103	6-702-157-01	IC FAN8035L	
IC105	6-708-022-01	IC STE6317ATXXY	
IC107	8-759-460-76	IC BA07FP-E2	
IC118	6-707-119-01	IC TK11218CMCL-G	
IC133	8-759-583-47	IC uPC2933T-E2	
IC150	6-705-338-01	IC TK11250CMCL-G	
IC218	6-702-300-01	IC TK11118CSCL-G	
IC233	6-704-470-01	IC TK11233CMCL-G	
IC253	(Not supplied)	IC M29W320ET70N6E-NS9UA (US, CND, KR)	
IC253	(Not supplied)	IC M29W320ET70N6E-NS9EA (AEP, UK, RU)	
IC253	(Not supplied)	IC M29W320ET70N6E-NS9CA (CH)	
IC254	6-708-493-01	IC HY57V281620ETP-HDR	
IC255	6-805-368-01	IC M29W320ET70N6E	
IC256	6-708-023-01	IC STE5588CVB	
IC257	8-759-596-35	IC SN74LV594APWR	
IC258	8-759-548-97	IC SN74LV04APWR	
IC308	6-702-300-01	IC TK11118CSCL-G	
IC318	6-700-398-01	IC uPC2918T-E1	
IC401	8-759-196-96	IC TC7SH08FU-TE85R	
IC402	8-759-564-49	IC TC7W53FU (TE12R)	
IC403	8-759-196-96	IC TC7SH08FU-TE85R	
IC404	6-805-411-01	IC uPD70F3259YGF-40A-JBT-A	
IC405	8-759-350-42	IC PST9127NL	
IC406	6-708-544-01	IC PST9228NL	
IC407	6-708-544-01	IC PST9228NL	
IC441	8-759-196-96	IC TC7SH08FU-TE85R	
IC502	6-708-020-01	IC SAA7893HL	
IC503	6-708-494-01	IC HY57V641620ETP-HDR	
IC504	8-759-549-20	IC SN74LV541APWR	
IC508	6-702-300-01	IC TK11118CSCL-G	
IC518	6-702-300-01	IC TK11118CSCL-G	
IC552	6-705-008-11	IC CXD9722ATQ	
IC553	8-759-196-96	IC TC7SH08FU-TE85R	
IC554	8-759-549-20	IC SN74LV541APWR	
IC555	6-705-992-11	IC HY57V161610ETP-7DR	
IC556	8-759-549-20	IC SN74LV541APWR	
IC558	8-759-196-96	IC TC7SH08FU-TE85R	
IC603	6-708-021-01	IC CXD9866R	
IC605	6-708-495-01	IC HY57V643220DTP-6DR	
IC606	6-708-056-01	IC ADV7324KSTZ	
IC607	(Not supplied)	IC SII9030CTU-1.1	
IC608	6-550-014-01	FET SSM6N15FU (TE85R)	
IC612	6-703-046-01	IC SN74LVC1G08DCKR	
IC618	6-707-119-01	IC TK11218CMCL-G	
IC623	6-702-302-01	IC TK11133CSCL-G	
IC625	6-704-261-01	IC TK11225CMCL-G	
IC628	6-702-300-01	IC TK11118CSCL-G	
IC633	8-759-583-47	IC uPC2933T-E2	
IC643	6-702-302-01	IC TK11133CSCL-G	
IC650	6-705-337-01	IC TK11150CSCL-G	
IC718	6-702-300-01	IC TK11118CSCL-G	
IC723	6-702-302-01	IC TK11133CSCL-G	
IC725	6-702-301-01	IC TK11125CSCL-G	
IC733	6-702-302-01	IC TK11133CSCL-G	
IC801	(Not supplied)	IC S29AL008D70TFI01-NS9UB	
IC802	6-708-057-01	IC SN74LVC1404DCTRE6	
IC803	6-704-470-01	IC TK11233CMCL-G	
IC804	6-805-695-01	IC HD6432365A19FV-TAA70	
IC805	6-706-766-01	IC TSB43CA42PGF	
IC807	6-708-058-01	IC LC4128V-75TN100C-SIA01	
IC813	6-704-470-01	IC TK11233CMCL-G	
IC833	6-704-470-01	IC TK11233CMCL-G	
IC911	6-701-877-01	IC SM8707EV-G-E2	
IC912	6-703-526-01	IC SN74LVC2G74DCUR	
IC913	6-703-527-01	IC SN74LVC2G157DCUR	
IC914	6-708-071-01	IC FS7140-01G	
IC915	6-703-526-01	IC SN74LVC2G74DCUR	
IC916	6-703-526-01	IC SN74LVC2G74DCUR	
IC917	6-708-701-01	IC SN74LVC3GU04DCUR	
IC921	8-759-549-20	IC SN74LV541APWR	
IC933	6-703-953-01	IC TK11134CSCL-G	
		< CONNECTOR >	
J600	1-818-086-41	HDMI CONNECTOR (HDMI OUT)	
J800	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (I.LINK S200 OUT (AUDIO) 2)	
J801	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (I.LINK S200 OUT (AUDIO) 1)	
		< COIL >	
L104	1-414-394-41	INDUCTOR 2.2uH	
L150	1-414-398-11	INDUCTOR 10uH	
L318	1-414-392-41	INDUCTOR 1uH	
L533	1-414-394-41	INDUCTOR 2.2uH	
L800	1-456-799-11	COIL, COMMON MODE CHOKE	
L801	1-456-799-11	COIL, COMMON MODE CHOKE	
L802	1-456-799-11	COIL, COMMON MODE CHOKE	
L803	1-456-799-11	COIL, COMMON MODE CHOKE	
L933	1-414-398-11	INDUCTOR 10uH	
L943	1-414-398-11	INDUCTOR 10uH	
L950	1-414-398-11	INDUCTOR 10uH	
L953	1-414-398-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q105	8-729-034-50	TRANSISTOR KTA1504	
Q400	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q401	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q402	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q574	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q575	8-729-027-59	TRANSISTOR DTC144EKA-T146	
		< RESISTOR >	
R101	1-216-864-11	SHORT CHIP 0	
R102	1-216-809-11	METAL CHIP 100 5% 1/10W	
R103	1-216-809-11	METAL CHIP 100 5% 1/10W	
R104	1-216-809-11	METAL CHIP 100 5% 1/10W	
R105	1-216-809-11	METAL CHIP 100 5% 1/10W	
R106	1-216-809-11	METAL CHIP 100 5% 1/10W	
R107	1-216-809-11	METAL CHIP 100 5% 1/10W	

New part of flash memory (IC253, IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

Ref. No.	Part No.	Description			Remark
R108	1-216-864-11	SHORT CHIP	0		
R109	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R110	1-216-833-11	METAL CHIP	10K	5%	1/10W
R111	1-216-833-11	METAL CHIP	10K	5%	1/10W
R112	1-219-724-11	METAL CHIP	1	1%	1/4W
R113	1-216-833-11	METAL CHIP	10K	5%	1/10W
R114	1-216-833-11	METAL CHIP	10K	5%	1/10W
R115	1-216-833-11	METAL CHIP	10K	5%	1/10W
R116	1-216-833-11	METAL CHIP	10K	5%	1/10W
R117	1-216-833-11	METAL CHIP	10K	5%	1/10W
R118	1-216-833-11	METAL CHIP	10K	5%	1/10W
R119	1-216-833-11	METAL CHIP	10K	5%	1/10W
R120	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R121	1-216-833-11	METAL CHIP	10K	5%	1/10W
R122	1-216-833-11	METAL CHIP	10K	5%	1/10W
R124	1-216-833-11	METAL CHIP	10K	5%	1/10W
R125	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R126	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R127	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R128	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R129	1-218-840-11	METAL CHIP	510	0.5%	1/10W
R130	1-216-833-11	METAL CHIP	10K	5%	1/10W
R131	1-219-724-11	METAL CHIP	1	1%	1/4W
R132	1-219-724-11	METAL CHIP	1	1%	1/4W
R133	1-219-724-11	METAL CHIP	1	1%	1/4W
R135	1-218-878-11	METAL CHIP	20K	0.5%	1/10W
R138	1-218-882-11	METAL CHIP	30K	0.5%	1/10W
R139	1-216-821-11	METAL CHIP	1K	5%	1/10W
R140	1-216-864-11	SHORT CHIP	0		
R141	1-216-833-11	METAL CHIP	10K	5%	1/10W
R142	1-216-841-11	METAL CHIP	47K	5%	1/10W
R143	1-216-833-11	METAL CHIP	10K	5%	1/10W
R144	1-216-841-11	METAL CHIP	47K	5%	1/10W
R145	1-216-833-11	METAL CHIP	10K	5%	1/10W
R146	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R147	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R148	1-216-833-11	METAL CHIP	10K	5%	1/10W
R149	1-216-821-11	METAL CHIP	1K	5%	1/10W
R150	1-216-833-11	METAL CHIP	10K	5%	1/10W
R151	1-216-864-11	SHORT CHIP	0		
R152	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R153	1-216-821-11	METAL CHIP	1K	5%	1/10W
R154	1-216-833-11	METAL CHIP	10K	5%	1/10W
R155	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R156	1-216-864-11	SHORT CHIP	0		
R157	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R158	1-218-880-11	METAL CHIP	24K	0.5%	1/10W
R159	1-216-805-11	METAL CHIP	47	5%	1/10W
R162	1-216-805-11	METAL CHIP	47	5%	1/10W
R164	1-216-833-11	METAL CHIP	10K	5%	1/10W
R165	1-216-805-11	METAL CHIP	47	5%	1/10W
R166	1-216-837-11	METAL CHIP	22K	5%	1/10W
R167	1-216-837-11	METAL CHIP	22K	5%	1/10W
R168	1-216-805-11	METAL CHIP	47	5%	1/10W
R169	1-216-805-11	METAL CHIP	47	5%	1/10W
R170	1-216-805-11	METAL CHIP	47	5%	1/10W
R171	1-216-837-11	METAL CHIP	22K	5%	1/10W
R172	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R173	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R174	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R175	1-216-805-11	METAL CHIP	47	5%	1/10W
R176	1-216-833-11	METAL CHIP	10K	5%	1/10W
R177	1-216-833-11	METAL CHIP	10K	5%	1/10W
R178	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R179	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R180	1-216-864-11	SHORT CHIP	0		
R181	1-216-864-11	SHORT CHIP	0		
R182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R183	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R184	1-216-821-11	METAL CHIP	1K	5%	1/10W
R185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R186	1-216-809-11	METAL CHIP	100	5%	1/10W
R187	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R188	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R192	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R193	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R194	1-216-833-11	METAL CHIP	10K	5%	1/10W
R195	1-216-833-11	METAL CHIP	10K	5%	1/10W
R196	1-216-845-11	METAL CHIP	100K	5%	1/10W
R198	1-219-570-11	METAL CHIP	10M	5%	1/10W
R199	1-216-809-11	METAL CHIP	100	5%	1/10W
R203	1-216-833-11	METAL CHIP	10K	5%	1/10W
R204	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R205	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R206	1-216-809-11	METAL CHIP	100	5%	1/10W
R207	1-216-809-11	METAL CHIP	100	5%	1/10W
R208	1-216-837-11	METAL CHIP	22K	5%	1/10W
R209	1-216-837-11	METAL CHIP	22K	5%	1/10W
R254	1-216-809-11	METAL CHIP	100	5%	1/10W
R256	1-216-864-11	SHORT CHIP	0		
R257	1-216-833-11	METAL CHIP	10K	5%	1/10W
R258	1-216-833-11	METAL CHIP	10K	5%	1/10W
R259	1-216-833-11	METAL CHIP	10K	5%	1/10W
R260	1-216-805-11	METAL CHIP	47	5%	1/10W
R261	1-216-864-11	SHORT CHIP	0		
R262	1-216-809-11	METAL CHIP	100	5%	1/10W
R263	1-216-864-11	SHORT CHIP	0		
R264	1-216-864-11	SHORT CHIP	0		
R265	1-216-833-11	METAL CHIP	10K	5%	1/10W
R266	1-216-864-11	SHORT CHIP	0		
R267	1-216-833-11	METAL CHIP	10K	5%	1/10W
R268	1-216-864-11	SHORT CHIP	0		
R269	1-216-864-11	SHORT CHIP	0		
R270	1-216-833-11	METAL CHIP	10K	5%	1/10W
R271	1-216-809-11	METAL CHIP	100	5%	1/10W
R272	1-216-805-11	METAL CHIP	47	5%	1/10W
R273	1-216-833-11	METAL CHIP	10K	5%	1/10W
R274	1-216-805-11	METAL CHIP	47	5%	1/10W
R275	1-216-833-11	METAL CHIP	10K	5%	1/10W
R276	1-216-864-11	SHORT CHIP	0		
R277	1-216-833-11	METAL CHIP	10K	5%	1/10W
R278	1-216-864-11	SHORT CHIP	0		
R279	1-216-805-11	METAL CHIP	47	5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R280	1-216-805-11	METAL CHIP	47	5%	1/10W
R281	1-216-833-11	METAL CHIP	10K	5%	1/10W
R282	1-216-833-11	METAL CHIP	10K	5%	1/10W
R284	1-216-805-11	METAL CHIP	47	5%	1/10W
R285	1-216-833-11	METAL CHIP	10K	5%	1/10W
R286	1-216-805-11	METAL CHIP	47	5%	1/10W
R287	1-216-864-11	SHORT CHIP	0		
R288	1-216-797-11	METAL CHIP	10	5%	1/10W
R289	1-216-864-11	SHORT CHIP	0		
R290	1-216-833-11	METAL CHIP	10K	5%	1/10W
R293	1-216-864-11	SHORT CHIP	0		
R294	1-216-864-11	SHORT CHIP	0		
R295	1-216-805-11	METAL CHIP	47	5%	1/10W
R296	1-216-864-11	SHORT CHIP	0		
R298	1-216-805-11	METAL CHIP	47	5%	1/10W
R299	1-216-833-11	METAL CHIP	10K	5%	1/10W
R300	1-216-805-11	METAL CHIP	47	5%	1/10W
R302	1-216-841-11	METAL CHIP	47K	5%	1/10W
R303	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R304	1-216-805-11	METAL CHIP	47	5%	1/10W
R305	1-216-805-11	METAL CHIP	47	5%	1/10W
R306	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R307	1-216-805-11	METAL CHIP	47	5%	1/10W
R309	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R310	1-216-805-11	METAL CHIP	47	5%	1/10W
R312	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R314	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R315	1-216-805-11	METAL CHIP	47	5%	1/10W
R316	1-216-833-11	METAL CHIP	10K	5%	1/10W
R317	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R318	1-216-805-11	METAL CHIP	47	5%	1/10W
R319	1-216-805-11	METAL CHIP	47	5%	1/10W
R320	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R321	1-216-797-11	METAL CHIP	10	5%	1/10W
R322	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R323	1-216-797-11	METAL CHIP	10	5%	1/10W
R324	1-216-864-11	SHORT CHIP	0		
R325	1-216-805-11	METAL CHIP	47	5%	1/10W
R326	1-216-797-11	METAL CHIP	10	5%	1/10W
R327	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R328	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R329	1-216-797-11	METAL CHIP	10	5%	1/10W
R330	1-216-797-11	METAL CHIP	10	5%	1/10W
R331	1-216-805-11	METAL CHIP	47	5%	1/10W
R332	1-216-833-11	METAL CHIP	10K	5%	1/10W
R333	1-216-805-11	METAL CHIP	47	5%	1/10W
R334	1-216-805-11	METAL CHIP	47	5%	1/10W
R335	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R336	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R337	1-216-805-11	METAL CHIP	47	5%	1/10W
R338	1-216-833-11	METAL CHIP	10K	5%	1/10W
R339	1-216-805-11	METAL CHIP	47	5%	1/10W
R340	1-216-805-11	METAL CHIP	47	5%	1/10W
R341	1-216-805-11	METAL CHIP	47	5%	1/10W
R342	1-216-805-11	METAL CHIP	47	5%	1/10W
R343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R344	1-216-833-11	METAL CHIP	10K	5%	1/10W
R345	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R346	1-216-805-11	METAL CHIP	47	5%	1/10W
R347	1-216-805-11	METAL CHIP	47	5%	1/10W
R348	1-216-805-11	METAL CHIP	47	5%	1/10W
R349	1-216-833-11	METAL CHIP	10K	5%	1/10W
R350	1-216-833-11	METAL CHIP	10K	5%	1/10W
R351	1-216-864-11	SHORT CHIP	0		
R353	1-216-833-11	METAL CHIP	10K	5%	1/10W
R354	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R356	1-216-864-11	SHORT CHIP	0		
R357	1-216-864-11	SHORT CHIP	0		
R358	1-216-805-11	METAL CHIP	47	5%	1/10W
R361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R362	1-216-833-11	METAL CHIP	10K	5%	1/10W
R363	1-216-805-11	METAL CHIP	47	5%	1/10W
R364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R365	1-216-833-11	METAL CHIP	10K	5%	1/10W
R367	1-216-864-11	SHORT CHIP	0		
R371	1-216-809-11	METAL CHIP	100	5%	1/10W
R372	1-216-809-11	METAL CHIP	100	5%	1/10W
R373	1-216-809-11	METAL CHIP	100	5%	1/10W
R374	1-216-809-11	METAL CHIP	100	5%	1/10W
R376	1-216-864-11	SHORT CHIP	0		
R377	1-216-805-11	METAL CHIP	47	5%	1/10W
R400	1-216-864-11	SHORT CHIP	0		
R401	1-216-833-11	METAL CHIP	10K	5%	1/10W
R403	1-216-864-11	SHORT CHIP	0		
R404	1-216-845-11	METAL CHIP	100K	5%	1/10W
R405	1-216-809-11	METAL CHIP	100	5%	1/10W
R406	1-216-809-11	METAL CHIP	100	5%	1/10W
R407	1-216-857-11	METAL CHIP	1M	5%	1/10W
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W
R409	1-216-857-11	METAL CHIP	1M	5%	1/10W
R410	1-216-833-11	METAL CHIP	10K	5%	1/10W
R411	1-216-809-11	METAL CHIP	100	5%	1/10W
R412	1-216-864-11	SHORT CHIP	0		
R413	1-216-864-11	SHORT CHIP	0		
R414	1-216-864-11	SHORT CHIP	0		
R415	1-216-864-11	SHORT CHIP	0		
R416	1-216-864-11	SHORT CHIP	0		
R418	1-216-805-11	METAL CHIP	47	5%	1/10W
R419	1-216-801-11	METAL CHIP	22	5%	1/10W
R420	1-216-864-11	SHORT CHIP	0		
R421	1-216-833-11	METAL CHIP	10K	5%	1/10W
R423	1-216-864-11	SHORT CHIP	0		
R424	1-216-805-11	METAL CHIP	47	5%	1/10W
R425	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R426	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R427	1-216-853-11	METAL CHIP	470K	5%	1/10W
R428	1-216-837-11	METAL CHIP	22K	5%	1/10W
R429	1-216-864-11	SHORT CHIP	0		
R430	1-216-841-11	METAL CHIP	47K	5%	1/10W
R431	1-216-809-11	METAL CHIP	100	5%	1/10W
R432	1-216-857-11	METAL CHIP	1M	5%	1/10W
R433	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R434	1-216-801-11	METAL CHIP	22	5%	1/10W (US, CND, KR, CH)

Ref. No.	Part No.	Description			Remark
R435	1-216-833-11	METAL CHIP	10K	5%	1/10W
R436	1-216-833-11	METAL CHIP	10K	5%	1/10W
R437	1-216-841-11	METAL CHIP	47K	5%	1/10W
R438	1-216-845-11	METAL CHIP	100K	5%	1/10W
R439	1-216-801-11	METAL CHIP	22	5%	1/10W
R440	1-216-833-11	METAL CHIP	10K	5%	1/10W
R441	1-216-833-11	METAL CHIP	10K	5%	1/10W
R442	1-216-864-11	SHORT CHIP	0		
R444	1-216-833-11	METAL CHIP	10K	5%	1/10W
R445	1-216-864-11	SHORT CHIP	0		
R446	1-216-833-11	METAL CHIP	10K	5%	1/10W
R447	1-216-864-11	SHORT CHIP	0		
R448	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R449	1-216-841-11	METAL CHIP	47K	5%	1/10W (RU)
R449	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP, UK, KR, CH)
R450	1-216-845-11	METAL CHIP	100K	5%	1/10W
R451	1-216-833-11	METAL CHIP	10K	5%	1/10W
R452	1-216-833-11	METAL CHIP	10K	5%	1/10W
R453	1-216-833-11	METAL CHIP	10K	5%	1/10W
R454	1-216-833-11	METAL CHIP	10K	5%	1/10W
R455	1-216-833-11	METAL CHIP	10K	5%	1/10W
R456	1-216-833-11	METAL CHIP	10K	5%	1/10W
R457	1-216-833-11	METAL CHIP	10K	5%	1/10W
R458	1-216-833-11	METAL CHIP	10K	5%	1/10W
R459	1-216-833-11	METAL CHIP	10K	5%	1/10W
R460	1-216-833-11	METAL CHIP	10K	5%	1/10W
R461	1-216-837-11	METAL CHIP	22K	5%	1/10W (KR)
R461	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK)
R461	1-216-845-11	METAL CHIP	100K	5%	1/10W (US, CND, RU, CH)
R463	1-216-864-11	SHORT CHIP	0		
R464	1-216-833-11	METAL CHIP	10K	5%	1/10W
R465	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R466	1-216-813-11	METAL CHIP	220	5%	1/10W
R468	1-216-837-11	METAL CHIP	22K	5%	1/10W
R469	1-216-813-11	METAL CHIP	220	5%	1/10W
R470	1-216-841-11	METAL CHIP	47K	5%	1/10W
R471	1-216-841-11	METAL CHIP	47K	5%	1/10W
R472	1-216-833-11	METAL CHIP	10K	5%	1/10W
R474	1-216-864-11	SHORT CHIP	0		
R475	1-216-805-11	METAL CHIP	47	5%	1/10W
R476	1-216-864-11	SHORT CHIP	0		
R477	1-216-833-11	METAL CHIP	10K	5%	1/10W
R478	1-216-845-11	METAL CHIP	100K	5%	1/10W
R479	1-216-833-11	METAL CHIP	10K	5%	1/10W
R480	1-216-805-11	METAL CHIP	47	5%	1/10W
R481	1-216-864-11	SHORT CHIP	0		
R482	1-216-809-11	METAL CHIP	100	5%	1/10W
R483	1-216-809-11	METAL CHIP	100	5%	1/10W
R484	1-216-864-11	SHORT CHIP	0		
R485	1-216-864-11	SHORT CHIP	0		
R486	1-216-809-11	METAL CHIP	100	5%	1/10W
R489	1-216-833-11	METAL CHIP	10K	5%	1/10W
R491	1-216-864-11	SHORT CHIP	0		
R492	1-216-864-11	SHORT CHIP	0		
R493	1-216-864-11	SHORT CHIP	0		
R506	1-216-864-11	SHORT CHIP	0		
R507	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R511	1-216-801-11	METAL CHIP	22	5%	1/10W
R513	1-216-809-11	METAL CHIP	100	5%	1/10W
R514	1-216-864-11	SHORT CHIP	0		
R516	1-216-864-11	SHORT CHIP	0		
R517	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-216-833-11	METAL CHIP	10K	5%	1/10W
R520	1-216-864-11	SHORT CHIP	0		
R521	1-216-805-11	METAL CHIP	47	5%	1/10W
R522	1-216-864-11	SHORT CHIP	0		
R523	1-216-864-11	SHORT CHIP	0		
R524	1-216-821-11	METAL CHIP	1K	5%	1/10W
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W
R526	1-216-805-11	METAL CHIP	47	5%	1/10W
R527	1-216-805-11	METAL CHIP	47	5%	1/10W
R528	1-216-805-11	METAL CHIP	47	5%	1/10W
R529	1-216-805-11	METAL CHIP	47	5%	1/10W
R530	1-216-864-11	SHORT CHIP	0		
R531	1-216-864-11	SHORT CHIP	0		
R532	1-216-864-11	SHORT CHIP	0		
R551	1-216-864-11	SHORT CHIP	0		
R552	1-216-809-11	METAL CHIP	100	5%	1/10W
R554	1-216-864-11	SHORT CHIP	0		
R556	1-216-809-11	METAL CHIP	100	5%	1/10W
R558	1-216-805-11	METAL CHIP	47	5%	1/10W
R559	1-216-805-11	METAL CHIP	47	5%	1/10W
R560	1-216-805-11	METAL CHIP	47	5%	1/10W
R561	1-216-864-11	SHORT CHIP	0		
R563	1-216-864-11	SHORT CHIP	0		
R564	1-216-809-11	METAL CHIP	100	5%	1/10W
R565	1-216-809-11	METAL CHIP	100	5%	1/10W
R566	1-216-864-11	SHORT CHIP	0		
R567	1-216-805-11	METAL CHIP	47	5%	1/10W
R568	1-216-805-11	METAL CHIP	47	5%	1/10W
R569	1-216-864-11	SHORT CHIP	0		
R571	1-216-805-11	METAL CHIP	47	5%	1/10W
R572	1-216-805-11	METAL CHIP	47	5%	1/10W
R573	1-216-805-11	METAL CHIP	47	5%	1/10W
R574	1-216-841-11	METAL CHIP	47K	5%	1/10W
R575	1-216-841-11	METAL CHIP	47K	5%	1/10W
R576	1-216-841-11	METAL CHIP	47K	5%	1/10W
R579	1-216-864-11	SHORT CHIP	0		
R581	1-216-805-11	METAL CHIP	47	5%	1/10W
R582	1-216-805-11	METAL CHIP	47	5%	1/10W
R583	1-216-805-11	METAL CHIP	47	5%	1/10W
R584	1-216-805-11	METAL CHIP	47	5%	1/10W
R585	1-216-805-11	METAL CHIP	47	5%	1/10W
R586	1-216-805-11	METAL CHIP	47	5%	1/10W
R600	1-216-809-11	METAL CHIP	100	5%	1/10W
R602	1-216-864-11	SHORT CHIP	0		
R603	1-216-864-11	SHORT CHIP	0		
R604	1-216-864-11	SHORT CHIP	0		
R605	1-216-864-11	SHORT CHIP	0		
R606	1-216-864-11	SHORT CHIP	0		
R607	1-218-845-11	METAL CHIP	820	0.5%	1/10W

MAIN

Ref. No.	Part No.	Description			Remark
R609	1-216-864-11	SHORT CHIP	0		
R611	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R612	1-216-864-11	SHORT CHIP	0		
R614	1-216-805-11	METAL CHIP	47	5%	1/10W
R616	1-216-864-11	SHORT CHIP	0		
R617	1-216-864-11	SHORT CHIP	0		
R619	1-216-864-11	SHORT CHIP	0		
R621	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R622	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R623	1-216-864-11	SHORT CHIP	0		
R633	1-216-864-11	SHORT CHIP	0		
R634	1-216-864-11	SHORT CHIP	0		
R635	1-216-805-11	METAL CHIP	47	5%	1/10W
R636	1-216-805-11	METAL CHIP	47	5%	1/10W
R637	1-216-864-11	SHORT CHIP	0		
R639	1-216-805-11	METAL CHIP	47	5%	1/10W
R640	1-216-809-11	METAL CHIP	100	5%	1/10W
R641	1-216-809-11	METAL CHIP	100	5%	1/10W
R643	1-216-864-11	SHORT CHIP	0		
R644	1-216-864-11	SHORT CHIP	0		
R645	1-216-864-11	SHORT CHIP	0		
R653	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R656	1-216-809-11	METAL CHIP	100	5%	1/10W
R657	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R659	1-216-864-11	SHORT CHIP	0		
R660	1-216-809-11	METAL CHIP	100	5%	1/10W
R661	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R662	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R663	1-218-839-11	METAL CHIP	470	0.5%	1/10W
R664	1-216-864-11	SHORT CHIP	0		
R665	1-211-736-11	METAL CHIP	5.1	5%	1/10W
R667	1-216-833-11	METAL CHIP	10K	5%	1/10W
R669	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R670	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R671	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R672	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R674	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R675	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R678	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R679	1-216-864-11	SHORT CHIP	0		
R680	1-216-864-11	SHORT CHIP	0		
R681	1-216-864-11	SHORT CHIP	0		
R682	1-216-864-11	SHORT CHIP	0		
R683	1-216-864-11	SHORT CHIP	0		
R684	1-216-864-11	SHORT CHIP	0		
R685	1-216-841-11	METAL CHIP	47K	5%	1/10W
R686	1-216-864-11	SHORT CHIP	0		
R695	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R696	1-218-853-11	METAL CHIP	1.8K	0.5%	1/10W
R801	1-216-809-11	METAL CHIP	100	5%	1/10W
R802	1-216-857-11	METAL CHIP	1M	5%	1/10W
R803	1-216-857-11	METAL CHIP	1M	5%	1/10W
R804	1-216-821-11	METAL CHIP	1K	5%	1/10W
R805	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R806	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R807	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R808	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R809	1-216-833-11	METAL CHIP	10K	5%	1/10W
R810	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R811	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R812	1-216-833-11	METAL CHIP	10K	5%	1/10W
R813	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R814	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R815	1-216-857-11	METAL CHIP	1M	5%	1/10W
R816	1-216-833-11	METAL CHIP	10K	5%	1/10W
R817	1-216-833-11	METAL CHIP	10K	5%	1/10W
R818	1-216-864-11	SHORT CHIP	0		
R819	1-216-864-11	SHORT CHIP	0		
R820	1-216-833-11	METAL CHIP	10K	5%	1/10W
R821	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R822	1-211-989-11	METAL CHIP	68	0.5%	1/10W
R823	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R824	1-216-809-11	METAL CHIP	100	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/10W
R826	1-216-833-11	METAL CHIP	10K	5%	1/10W
R827	1-216-864-11	SHORT CHIP	0		
R829	1-216-833-11	METAL CHIP	10K	5%	1/10W
R831	1-216-864-11	SHORT CHIP	0		
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R833	1-216-833-11	METAL CHIP	10K	5%	1/10W
R834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R835	1-216-864-11	SHORT CHIP	0		
R836	1-216-833-11	METAL CHIP	10K	5%	1/10W
R837	1-216-833-11	METAL CHIP	10K	5%	1/10W
R838	1-216-833-11	METAL CHIP	10K	5%	1/10W
R839	1-216-821-11	METAL CHIP	1K	5%	1/10W
R840	1-216-809-11	METAL CHIP	100	5%	1/10W
R841	1-216-864-11	SHORT CHIP	0		
R842	1-216-809-11	METAL CHIP	100	5%	1/10W
R843	1-216-809-11	METAL CHIP	100	5%	1/10W
R844	1-216-864-11	SHORT CHIP	0		
R845	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R846	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R847	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R848	1-216-833-11	METAL CHIP	10K	5%	1/10W
R849	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R850	1-216-833-11	METAL CHIP	10K	5%	1/10W
R851	1-216-801-11	METAL CHIP	22	5%	1/10W
R852	1-216-805-11	METAL CHIP	47	5%	1/10W
R853	1-216-809-11	METAL CHIP	100	5%	1/10W
R854	1-216-809-11	METAL CHIP	100	5%	1/10W
R855	1-216-809-11	METAL CHIP	100	5%	1/10W
R856	1-216-864-11	SHORT CHIP	0		
R857	1-216-833-11	METAL CHIP	10K	5%	1/10W
R858	1-216-805-11	METAL CHIP	47	5%	1/10W
R859	1-216-833-11	METAL CHIP	10K	5%	1/10W
R860	1-216-833-11	METAL CHIP	10K	5%	1/10W
R861	1-216-833-11	METAL CHIP	10K	5%	1/10W
R862	1-216-809-11	METAL CHIP	100	5%	1/10W
R863	1-216-833-11	METAL CHIP	10K	5%	1/10W
R864	1-216-833-11	METAL CHIP	10K	5%	1/10W
R866	1-216-833-11	METAL CHIP	10K	5%	1/10W
R867	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R868	1-216-833-11	METAL CHIP	10K	5%	1/10W
R869	1-216-833-11	METAL CHIP	10K	5%	1/10W
R870	1-216-833-11	METAL CHIP	10K	5%	1/10W
R871	1-216-833-11	METAL CHIP	10K	5%	1/10W
R872	1-216-833-11	METAL CHIP	10K	5%	1/10W
R873	1-216-833-11	METAL CHIP	10K	5%	1/10W
R874	1-216-833-11	METAL CHIP	10K	5%	1/10W
R875	1-216-833-11	METAL CHIP	10K	5%	1/10W
R876	1-216-833-11	METAL CHIP	10K	5%	1/10W
R877	1-216-833-11	METAL CHIP	10K	5%	1/10W
R878	1-216-833-11	METAL CHIP	10K	5%	1/10W
R879	1-216-833-11	METAL CHIP	10K	5%	1/10W
R880	1-216-833-11	METAL CHIP	10K	5%	1/10W
R881	1-216-809-11	METAL CHIP	100	5%	1/10W
R882	1-216-833-11	METAL CHIP	10K	5%	1/10W
R883	1-216-833-11	METAL CHIP	10K	5%	1/10W
R884	1-216-833-11	METAL CHIP	10K	5%	1/10W
R885	1-216-833-11	METAL CHIP	10K	5%	1/10W
R886	1-216-833-11	METAL CHIP	10K	5%	1/10W
R887	1-216-864-11	SHORT CHIP	0		
R888	1-216-805-11	METAL CHIP	47	5%	1/10W
R889	1-216-805-11	METAL CHIP	47	5%	1/10W
R890	1-216-864-11	SHORT CHIP	0		
R891	1-216-801-11	METAL CHIP	22	5%	1/10W
R892	1-216-833-11	METAL CHIP	10K	5%	1/10W
R893	1-216-833-11	METAL CHIP	10K	5%	1/10W
R894	1-216-833-11	METAL CHIP	10K	5%	1/10W
R895	1-216-833-11	METAL CHIP	10K	5%	1/10W
R896	1-216-833-11	METAL CHIP	10K	5%	1/10W
R897	1-216-833-11	METAL CHIP	10K	5%	1/10W
R898	1-216-809-11	METAL CHIP	100	5%	1/10W
R899	1-216-809-11	METAL CHIP	100	5%	1/10W
R901	1-216-864-11	SHORT CHIP	0		
R902	1-216-864-11	SHORT CHIP	0		
R907	1-216-864-11	SHORT CHIP	0		
R910	1-216-805-11	METAL CHIP	47	5%	1/10W
R911	1-216-805-11	METAL CHIP	47	5%	1/10W
R912	1-216-801-11	METAL CHIP	22	5%	1/10W
R913	1-216-797-11	METAL CHIP	10	5%	1/10W
R914	1-216-801-11	METAL CHIP	22	5%	1/10W
R915	1-216-833-11	METAL CHIP	10K	5%	1/10W
R918	1-216-821-11	METAL CHIP	1K	5%	1/10W
R920	1-216-857-11	METAL CHIP	1M	5%	1/10W
R921	1-216-809-11	METAL CHIP	100	5%	1/10W
R930	1-216-805-11	METAL CHIP	47	5%	1/10W
R931	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R932	1-216-801-11	METAL CHIP	22	5%	1/10W
R934	1-216-864-11	SHORT CHIP	0		
R937	1-219-724-11	METAL CHIP	1	1%	1/4W
R938	1-219-724-11	METAL CHIP	1	1%	1/4W
R943	1-216-789-11	METAL CHIP	2.2	5%	1/10W
R950	1-216-805-11	METAL CHIP	47	5%	1/10W
R951	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R952	1-216-809-11	METAL CHIP	100	5%	1/10W
R954	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R955	1-211-989-11	METAL CHIP	68	0.5%	1/10W
R970	1-216-805-11	METAL CHIP	47	5%	1/10W
R972	1-216-809-11	METAL CHIP	100	5%	1/10W
R980	1-211-989-11	METAL CHIP	68	0.5%	1/10W
R981	1-216-805-11	METAL CHIP	47	5%	1/10W
R997	1-216-809-11	METAL CHIP	100	5%	1/10W
R998	1-216-809-11	METAL CHIP	100	5%	1/10W

< COMPOSITION CIRCUIT BLOCK >

RB250	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB251	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB252	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB254	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB255	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB257	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB258	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB259	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB260	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB261	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB262	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB263	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB264	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB265	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB266	1-242-962-21	RES, NETWORK 82X4 (1005)			
RB267	1-242-962-21	RES, NETWORK 82X4 (1005)			
RB268	1-242-962-21	RES, NETWORK 82X4 (1005)			
RB269	1-242-962-21	RES, NETWORK 82X4 (1005)			
RB270	1-234-400-21	CONDUCTOR, NETWORK (2010X4)			
RB271	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB272	1-234-400-21	CONDUCTOR, NETWORK (2010X4)			
RB274	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB400	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB401	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB402	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB403	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB404	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB405	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB501	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB502	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB503	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB512	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB513	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB521	1-234-702-11	RES, NETWORK 68 (1005X4)			
RB522	1-234-702-11	RES, NETWORK 68 (1005X4)			
RB523	1-234-702-11	RES, NETWORK 68 (1005X4)			
RB524	1-234-702-11	RES, NETWORK 68 (1005X4)			
RB531	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB532	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB550	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB551	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB552	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB553	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB554	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB555	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB556	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB557	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB558	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB559	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB560	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB561	1-234-371-21	RES, NETWORK 47 (1005X4)			

MAIN **POWER1**

Ref. No.	Part No.	Description	Remark
RB562	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB563	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB564	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB565	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB566	1-234-400-21	CONDUCTOR, NETWORK (2010X4)	
RB600	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB601	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB602	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB603	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB604	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB605	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB606	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB607	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB608	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB609	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB610	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB611	1-234-702-11	RES, NETWORK 68 (1005X4)	
RB612	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB613	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB614	1-234-400-21	CONDUCTOR, NETWORK (2010X4)	
RB616	1-234-400-21	CONDUCTOR, NETWORK (2010X4)	
RB618	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB619	1-239-662-11	RESISTOR, NETWORK 10	
RB620	1-239-662-11	RESISTOR, NETWORK 10	
RB621	1-239-662-11	RESISTOR, NETWORK 10	
RB622	1-239-662-11	RESISTOR, NETWORK 10	
RB623	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB624	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB625	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB626	1-234-372-21	RES, NETWORK 100 (1005X4)	
RB627	1-234-370-21	RES, NETWORK 22 (1005X4)	
RB628	1-234-370-21	RES, NETWORK 22 (1005X4)	
RB629	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB630	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB631	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB632	1-234-400-21	CONDUCTOR, NETWORK (2010X4)	
RB633	1-234-378-21	RES, NETWORK 10K (1005X4)	
RB634	1-234-378-21	RES, NETWORK 10K (1005X4)	
RB635	1-234-372-21	RES, NETWORK 10K (1005X4)	
RB636	1-234-378-21	RES, NETWORK 10K (1005X4)	
RB800	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB801	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB802	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB803	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB804	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB805	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB806	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB807	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB808	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB809	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB810	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB811	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB812	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB813	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB814	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB815	1-234-371-21	RES, NETWORK 47 (1005X4)	
RB816	1-234-371-21	RES, NETWORK 47 (1005X4)	

Ref. No.	Part No.	Description			Remark
		< VARIABLE RESISTOR >			
RV600	1-223-583-11	RES, ADJ, CARBON 1K			
RV601	1-223-583-11	RES, ADJ, CARBON 1K			
		< VIBRATOR >			
X400	1-795-121-21	VIBRATOR, CERAMIC (5MHz)			
X800	1-767-639-21	VIBRATOR, CRYSTAL (24.576MHz)			
X903	1-781-867-21	VIBRATOR, CRYSTAL (27MHz)			
**********					
	A-1088-432-A	POWER1 BOARD, COMPLETE (US, CND)			
	A-1088-434-A	POWER1 BOARD, COMPLETE (AEP, UK, RU)			
	A-1123-383-A	POWER1 BOARD, COMPLETE (KR, CH)			
		**********			
		< CAPACITOR >			
C267	1-117-681-11	ELECT CHIP	100uF	20%	16V
C269	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C295	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C296	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C297	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C335	1-137-749-11	MYLAR	0.1uF		100V
C336	1-137-749-11	MYLAR	0.1uF		100V
C337	1-137-749-11	MYLAR	0.1uF		100V
C893	1-128-996-11	ELECT CHIP	4.7uF	20%	50V
⚠C903	1-119-907-51	CERAMIC	4700PF	20%	250V (EXCEPT US, CND)
⚠C903	1-113-927-11	CERAMIC	0.01uF		250V (US, CND)
⚠C904	1-119-907-51	CERAMIC	4700PF	20%	250V (EXCEPT US, CND)
⚠C904	1-113-927-11	CERAMIC	0.01uF		250V (US, CND)
⚠C905	1-119-907-51	CERAMIC	4700PF	20%	250V (EXCEPT US, CND)
⚠C905	1-113-927-11	CERAMIC	0.01uF		250V (US, CND)
⚠C906	1-113-927-11	CERAMIC	0.01uF		250V
C907	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C908	1-137-749-11	MYLAR	0.1uF		100V
C909	1-112-140-11	ELECT	1uF	20%	50V
C910	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C911	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C912	1-112-366-11	ELECT	3300uF	20%	25V
C913	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C914	1-112-115-11	ELECT	1000uF	20%	6.3V
C915	1-137-749-11	MYLAR	0.1uF		100V
C916	1-137-749-11	MYLAR	0.1uF		100V
C917	1-137-749-11	MYLAR	0.1uF		100V
C918	1-128-548-11	ELECT	4700uF	20%	25V
C921	1-112-378-11	ELECT	47uF	20%	50V
C922	1-112-126-11	ELECT	4700uF	20%	16V
C925	1-112-126-11	ELECT	4700uF	20%	16V
C926	1-112-126-11	ELECT	4700uF	20%	16V
C929	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C930	1-112-378-11	ELECT	47uF	20%	50V
C932	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C933	1-128-548-11	ELECT	4700uF	20%	25V
C934	1-128-548-11	ELECT	4700uF	20%	25V

Ref. No.	Part No.	Description			Remark
C935	1-128-991-21	ELECT CHIP	10uF	20%	50V
C936	1-104-666-11	ELECT	220uF	20%	25V
C938	1-112-365-11	ELECT	470uF	20%	25V
C945	1-112-365-11	ELECT	470uF	20%	25V
C946	1-117-681-11	ELECT CHIP	100uF	20%	16V
C950	1-115-667-11	ELECT	10uF	20%	50V
C951	1-128-991-21	ELECT CHIP	10uF	20%	50V
C954	1-117-681-11	ELECT CHIP	100uF	20%	16V
C955	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C959	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C963	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C970	1-115-667-11	ELECT	10uF	20%	50V
C971	1-112-115-11	ELECT	1000uF	20%	6.3V
C972	1-137-749-11	MYLAR	0.1uF		100V
C973	1-137-749-11	MYLAR	0.1uF		100V
C976	1-109-857-11	ELECT	47uF	20%	63V
		< CONNECTOR >			
* CN109	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			(AEP, UK, RU)
CN113	1-691-591-91	PIN, CONNECTOR 8P			
* CN900	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P			
* CN901	1-564-321-21	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN902	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN903	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CN905	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN906	1-794-032-21	PIN, CONNECTOR (PC BOARD) 11P			
CN907	1-794-509-11	PIN, CONNECTOR (PC BOARD) 3P			(US, CND, KR, CH)
CN909	1-764-177-91	PIN, CONNECTOR 7P			
CN910	1-573-806-21	PIN, CONNECTOR (1.5mm PITCH) (SMD) 6P			
		< DIODE >			
D106	8-719-049-09	DIODE 1SS367-T3SONY			
D107	8-719-049-09	DIODE 1SS367-T3SONY			
D411	8-719-988-61	DIODE 1SS355TE-17			
D891	8-719-049-09	DIODE 1SS367-T3SONY			
D901	8-719-941-86	DIODE DAN202U			
D902	8-719-053-18	DIODE 1SR154-400TE-25			
D903	8-719-053-18	DIODE 1SR154-400TE-25			
D904	8-719-053-18	DIODE 1SR154-400TE-25			
D905	8-719-053-18	DIODE 1SR154-400TE-25			
D909	8-719-085-58	DIODE EC30HA03L-TE12L			
D910	8-719-085-58	DIODE EC30HA03L-TE12L			
D911	8-719-085-58	DIODE EC30HA03L-TE12L			
D912	8-719-085-58	DIODE EC30HA03L-TE12L			
D915	8-719-053-18	DIODE 1SR154-400TE-25			
D916	8-719-053-18	DIODE 1SR154-400TE-25			
D917	8-719-085-58	DIODE EC30HA03L-TE12L			
D918	8-719-085-58	DIODE EC30HA03L-TE12L			
D919	8-719-085-58	DIODE EC30HA03L-TE12L			
D920	8-719-085-58	DIODE EC30HA03L-TE12L			
D921	8-719-085-58	DIODE EC30HA03L-TE12L			
D922	8-719-085-58	DIODE EC30HA03L-TE12L			
D923	8-719-085-58	DIODE EC30HA03L-TE12L			
D924	8-719-085-58	DIODE EC30HA03L-TE12L			
D925	8-719-085-58	DIODE EC30HA03L-TE12L			
D926	8-719-085-58	DIODE EC30HA03L-TE12L			

Ref. No.	Part No.	Description			Remark
D928	8-719-053-18	DIODE 1SR154-400TE-25			
D929	8-719-053-18	DIODE 1SR154-400TE-25			
D930	8-719-941-86	DIODE DAN202U			
D935	8-719-049-09	DIODE 1SS367-T3SONY			
D936	8-719-085-58	DIODE EC30HA03L-TE12L			
D939	8-719-053-18	DIODE 1SR154-400TE-25			
D940	8-719-053-18	DIODE 1SR154-400TE-25			
		< RESISTOR >			
⚠FR901	1-217-641-00	FUSIBLE	4.7	5%	1/4W F
⚠FR902	1-217-641-00	FUSIBLE	4.7	5%	1/4W F
⚠FR903	1-240-306-51	FUSIBLE	15	5%	1/4W F
⚠FR904	1-217-640-51	FUSIBLE	3.3	5%	1/4W F
⚠FR905	1-217-640-51	FUSIBLE	3.3	5%	1/4W F
⚠FR906	1-217-640-51	FUSIBLE	3.3	5%	1/4W F
		< IC >			
IC900	6-707-703-01	IC BD3940FP-E2			
IC903	6-706-997-01	IC BA07CC0WFP-E2			
IC904	8-759-392-17	IC uPC7908AHF			
IC905	8-759-450-50	IC BA08T			
IC907	6-705-337-01	IC TK11150CSCL-G			
IC908	6-707-703-01	IC BD3940FP-E2			
IC909	8-759-394-35	IC BA12T			
		< FILTER/COIL >			
L806	1-424-122-11	FILTER, NOISE			
L807	1-424-122-11	FILTER, NOISE			
L815	1-424-122-11	FILTER, NOISE			
L816	1-424-122-11	FILTER, NOISE			
L883	1-424-122-11	FILTER, NOISE			
L884	1-424-122-11	FILTER, NOISE			
L885	1-424-122-11	FILTER, NOISE			
L886	1-424-122-11	FILTER, NOISE			
L887	1-424-122-11	FILTER, NOISE			
L888	1-424-122-11	FILTER, NOISE			
L889	1-424-122-11	FILTER, NOISE			
L890	1-424-122-11	FILTER, NOISE			
L895	1-424-122-11	FILTER, NOISE			
L896	1-424-122-11	FILTER, NOISE			
L897	1-424-122-11	FILTER, NOISE			
L898	1-424-122-11	FILTER, NOISE			
⚠L900	1-421-915-11	COIL, LINE FILTER			
⚠L901	1-421-915-11	COIL, LINE FILTER			
⚠L902	1-421-915-11	COIL, LINE FILTER			
L903	1-424-122-11	FILTER, NOISE			
L904	1-424-122-11	FILTER, NOISE			
L905	1-424-122-11	FILTER, NOISE			
L906	1-424-122-11	FILTER, NOISE			
L907	1-424-122-11	FILTER, NOISE			
L918	1-424-122-11	FILTER, NOISE			
L920	1-414-398-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q881	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q900	8-729-230-27	TRANSISTOR	2SA1213Y-TE12L		

POWER1 **POWER2**

Ref. No.	Part No.	Description			Remark
Q901	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q902	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q903	8-729-027-38	TRANSISTOR	DTA144EKA-T146		
Q906	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q907	6-550-830-01	TRANSISTOR	2SD2118-TLQ		
		< RESISTOR >			
R886	1-216-833-11	METAL CHIP	10K	5%	1/10W
R893	1-216-835-11	METAL CHIP	15K	5%	1/10W
R894	1-216-843-11	METAL CHIP	68K	5%	1/10W
R895	1-216-848-11	METAL CHIP	180K	5%	1/10W
R896	1-216-845-11	METAL CHIP	100K	5%	1/10W
R897	1-216-833-11	METAL CHIP	10K	5%	1/10W
R900	1-216-841-11	METAL CHIP	47K	5%	1/10W
R901	1-216-198-00	RES-CHIP	1K	5%	1/8W
R902	1-216-837-11	METAL CHIP	22K	5%	1/10W
R903	1-216-843-11	METAL CHIP	68K	5%	1/10W
R911	1-216-845-11	METAL CHIP	100K	5%	1/10W
R917	1-216-839-11	METAL CHIP	33K	5%	1/10W
		< RELAY >			
⚠RY900	1-755-324-11	RELAY			
		< TRANSFORMER >			
⚠T900	1-443-555-11	TRANSFORMER, POWER (US, CND)			
⚠T900	1-443-556-11	TRANSFORMER, POWER (EXCEPT US, CND)			
**********					
	A-1088-435-A	POWER2 BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C273	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C274	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C332	1-137-749-11	MYLAR	0.1uF		100V
C333	1-137-749-11	MYLAR	0.1uF		100V
C334	1-137-749-11	MYLAR	0.1uF		100V
C894	1-137-749-11	MYLAR	0.1uF		100V
C895	1-137-749-11	MYLAR	0.1uF		100V
C896	1-137-749-11	MYLAR	0.1uF		100V
C919	1-112-367-11	ELECT	4700uF	20%	25V
C920	1-112-138-11	ELECT	3300uF	20%	35V
C923	1-131-969-11	ELECT	1800uF	20%	25V
C924	1-165-744-11	ELECT	1200uF	20%	35V
C927	1-137-749-11	MYLAR	0.1uF		100V
C928	1-137-749-11	MYLAR	0.1uF		100V
C931	1-128-550-11	ELECT	2200uF	20%	50V
C937	1-128-550-11	ELECT	2200uF	20%	50V
C940	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C941	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C943	1-128-963-11	ELECT	1000uF	20%	50V
C947	1-137-749-11	MYLAR	0.1uF		100V
C948	1-165-718-21	ELECT	3300uF	20%	6.3V
C949	1-165-718-21	ELECT	3300uF	20%	6.3V
C952	1-165-718-21	ELECT	3300uF	20%	6.3V
C953	1-165-718-21	ELECT	3300uF	20%	6.3V
C956	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C957	1-128-951-21	ELECT	2200uF	20%	16V
C958	1-128-951-21	ELECT	2200uF	20%	16V
C960	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C961	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C962	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C964	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C965	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C966	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C967	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C968	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C969	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C974	1-109-857-11	ELECT	47uF	20%	63V
C975	1-109-857-11	ELECT	47uF	20%	63V
		< CONNECTOR >			
CN904	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN908	1-816-587-21	PIN, CONNECTOR (PC BOARD) 15P			
CN911	1-691-591-91	PIN, CONNECTOR 8P			
		< DIODE >			
D907	8-719-313-15	DIODE FML-22R			
D908	8-719-313-15	DIODE FML-22R			
D913	8-719-313-14	DIODE FML-22S			
D914	8-719-313-14	DIODE FML-22S			
D927	8-719-313-15	DIODE FML-22R			
D931	8-719-313-14	DIODE FML-22S			
D932	8-719-085-58	DIODE EC30HA03L-TE12L			
D933	8-719-085-58	DIODE EC30HA03L-TE12L			
D938	6-500-075-01	DIODE LI136V			
		< IC >			
IC901	6-703-559-01	IC SI-8033SS			
IC902	6-703-559-01	IC SI-8033SS			
IC906	6-703-656-01	IC SI-8090S			
		< FILTER/COIL >			
L800	1-424-122-11	FILTER, NOISE			
L801	1-424-122-11	FILTER, NOISE			
L802	1-424-122-11	FILTER, NOISE			
L803	1-424-122-11	FILTER, NOISE			
L804	1-424-122-11	FILTER, NOISE			
L805	1-424-122-11	FILTER, NOISE			
L809	1-424-122-11	FILTER, NOISE			
L810	1-424-122-11	FILTER, NOISE			
L811	1-424-122-11	FILTER, NOISE			
L812	1-424-122-11	FILTER, NOISE			
L813	1-424-122-11	FILTER, NOISE			
L814	1-424-122-11	FILTER, NOISE			
L908	1-456-545-11	CHOKE, COIL	100uH		
L909	1-456-545-11	CHOKE, COIL	100uH		
L910	1-456-545-11	CHOKE, COIL	100uH		
L911	1-419-763-21	CHOKE, COIL	220uH		
L912	1-419-763-21	CHOKE, COIL	220uH		
L913	1-419-763-21	CHOKE, COIL	220uH		
L921	1-414-398-11	INDUCTOR	10uH		
L922	1-414-398-11	INDUCTOR	10uH		
L923	1-414-398-11	INDUCTOR	10uH		

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q883	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q884	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
Q885	8-729-027-59	TRANSISTOR	DTC144EKA-T146		
		< RESISTOR >			
R905	1-216-797-11	METAL CHIP	10	5%	1/10W
R906	1-216-190-00	RES-CHIP	470	5%	1/8W
R910	1-216-178-00	RES-CHIP	150	5%	1/8W
R912	1-216-190-00	RES-CHIP	470	5%	1/8W
R913	1-216-174-00	RES-CHIP	100	5%	1/8W
R914	1-216-797-11	METAL CHIP	10	5%	1/10W
R915	1-216-797-11	METAL CHIP	10	5%	1/10W
**********					
	A-1088-436-A	RS232C BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C440	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C871	1-117-681-11	ELECT CHIP	100uF	20%	16V
C872	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C873	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C874	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C875	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C876	1-124-779-00	ELECT CHIP	10uF	20%	16V
C877	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C878	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C879	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C880	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C884	1-126-044-11	ELECT	1uF	20%	50V
C886	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C887	1-100-390-21	ELECT CHIP	180uF	20%	6.3V
C888	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C889	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C890	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C897	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C898	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C977	1-109-857-11	ELECT	47uF	20%	63V
C978	1-109-857-11	ELECT	47uF	20%	63V
		< CONNECTOR >			
* CN871	1-766-376-11	PIN, CONNECTOR (1.5mm) (SMD) 9P			
CN872	1-784-365-21	CONNECTOR, FFC/FPC 5P			
CN880	1-573-290-21	PIN, CONNECTOR (1.5mm) (SMD) 4P			
CNP879	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)			
		< DIODE >			
D890	8-719-071-15	DIODE HZM6.8ZWA1TL			
		< FERRITE BEAD >			
FB890	1-469-981-21	INDUCTOR, FERRITE BEAD			
FB891	1-469-981-21	INDUCTOR, FERRITE BEAD			
		< FILTER >			
FL871	1-234-177-21	FILTER, CHIP EMI			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC871	6-705-514-01	IC MAX3222IPWR			
IC881	6-600-461-01	IC TOTX147L(DIGITAL OUT PCM/DTS/DOLBY DIGITAL OPTICAL) (US, CND, KR, CH)			
IC881	6-600-461-01	IC TOTX147L (DIGITAL OUT PCM/DTS/MPEG/ DOLBY DIGITAL OPTICAL) (AEP, UK, RU)			
IC882	6-704-470-01	IC TK11233CMCL-G			
IC883	8-759-196-96	IC TC7SH08FU-TE85R			
IC884	8-759-196-96	IC TC7SH08FU-TE85R			
		< JACK >			
J880	1-818-300-11	JACK, PIN 1P (DIGITAL OUT PCM/DTS/DOLBY DIGITAL COAXIAL) (US, CND, KR, CH)			
J880	1-818-300-11	JACK, PIN 1P (DIGITAL OUT PCM/DTS/MPEG/ DOLBY DIGITAL COAXIAL) (AEP, UK, RU)			
J890	1-764-188-21	JACK (SMALL TYPE) (DIA. 3.5) (CONTROL S IN/IR IN)			
		< RESISTOR >			
R445	1-218-285-11	METAL CHIP	75	5%	1/10W
R446	1-216-797-11	METAL CHIP	10	5%	1/10W
R871	1-216-864-11	SHORT CHIP	0		
R872	1-216-864-11	SHORT CHIP	0		
R873	1-216-864-11	SHORT CHIP	0		
R874	1-216-864-11	SHORT CHIP	0		
R876	1-216-809-11	METAL CHIP	100	5%	1/10W
R877	1-216-809-11	METAL CHIP	100	5%	1/10W
R878	1-216-801-11	METAL CHIP	22	5%	1/10W
R879	1-216-864-11	SHORT CHIP	0		
R880	1-216-801-11	METAL CHIP	22	5%	1/10W
R890	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R891	1-216-864-11	SHORT CHIP	0		
R921	1-216-864-11	SHORT CHIP	0		
R922	1-216-864-11	SHORT CHIP	0		
R923	1-216-809-11	METAL CHIP	100	5%	1/10W
R924	1-216-809-11	METAL CHIP	100	5%	1/10W
R925	1-216-801-11	METAL CHIP	22	5%	1/10W
R926	1-216-864-11	SHORT CHIP	0		
		< COIL >			
T801	1-416-701-11	COIL (WITH CORE)			
**********					
	A-1088-440-A	VIDEO BOARD, COMPLETE (US, CND, KR, CH)			
	A-1088-441-A	VIDEO BOARD, COMPLETE (AEP, UK, RU)			
		**********			
		< CAPACITOR >			
C401	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C402	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C403	1-117-681-11	ELECT CHIP	100uF	20%	16V
C404	1-117-681-11	ELECT CHIP	100uF	20%	16V
C408	1-126-395-11	ELECT CHIP	22uF	20%	16V (AEP, UK, RU)
C409	1-126-395-11	ELECT CHIP	22uF	20%	16V (AEP, UK, RU)
C411	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C412	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

VIDEO

Ref. No.	Part No.	Description			Remark
C418	1-127-956-21	FILM CHIP	0.1uF	5% 16V	(AEP, UK, RU)
C419	1-127-956-21	FILM CHIP	0.1uF	5% 16V	(AEP, UK, RU)
C421	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C422	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C428	1-126-395-11	ELECT CHIP	22uF	20% 16V	(AEP, UK, RU)
C429	1-126-395-11	ELECT CHIP	22uF	20% 16V	(AEP, UK, RU)
C461	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(US, CND, KR, CH)
C462	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(US, CND, KR, CH)
C463	1-126-395-11	ELECT CHIP	22uF	20% 16V	(US, CND, KR, CH)
C464	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(US, CND, KR, CH)
C465	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(US, CND, KR, CH)
C468	1-117-681-11	ELECT CHIP	100uF	20% 16V	(US, CND, KR, CH)
C469	1-117-681-11	ELECT CHIP	100uF	20% 16V	(US, CND, KR, CH)
C471	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(US, CND, KR, CH)
C472	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(US, CND, KR, CH)
C473	1-127-956-21	FILM CHIP	0.1uF	5% 16V	(US, CND, KR, CH)
C474	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(US, CND, KR, CH)
C475	1-126-395-11	ELECT CHIP	22uF	20% 16V	(US, CND, KR, CH)
C476	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(US, CND, KR, CH)
C481	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(US, CND, KR, CH)
C482	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(US, CND, KR, CH)
C484	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(US, CND, KR, CH)
C485	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(US, CND, KR, CH)
C501	1-127-956-21	FILM CHIP	0.1uF	5% 16V	
C502	1-127-956-21	FILM CHIP	0.1uF	5% 16V	(US, CND, KR, CH)
C521	1-117-681-11	ELECT CHIP	100uF	20% 16V	(AEP, UK, RU)
C522	1-117-681-11	ELECT CHIP	100uF	20% 16V	(AEP, UK, RU)
C527	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C528	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C529	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(AEP, UK, RU)
C537	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C538	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C539	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(AEP, UK, RU)
C547	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C548	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C549	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(AEP, UK, RU)
C551	1-115-339-11	CERAMIC CHIP	0.1uF	10% 50V	
C552	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C553	1-117-681-11	ELECT CHIP	100uF	20% 16V	
C554	1-117-681-11	ELECT CHIP	100uF	20% 16V	
C561	1-115-339-11	CERAMIC CHIP	0.1uF	10% 50V	
C562	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C571	1-115-339-11	CERAMIC CHIP	0.1uF	10% 50V	
C572	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C600	1-117-681-11	ELECT CHIP	100uF	20% 16V	(AEP, UK, RU)
C601	1-117-681-11	ELECT CHIP	100uF	20% 16V	
C602	1-117-681-11	ELECT CHIP	100uF	20% 16V	
C603	1-100-390-21	ELECT CHIP	180uF	20% 6.3V	
C604	1-115-339-11	CERAMIC CHIP	0.1uF	10% 50V	
C605	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C606	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C607	1-100-390-21	ELECT CHIP	180uF	20% 6.3V	
C608	1-115-339-11	CERAMIC CHIP	0.1uF	10% 50V	
C609	1-115-416-11	CERAMIC CHIP	0.001uF	5% 25V	
C610	1-100-390-21	ELECT CHIP	180uF	20% 6.3V	
C611	1-115-339-11	CERAMIC CHIP	0.1uF	10% 50V	
C612	1-128-994-21	ELECT CHIP	47uF	20% 10V	(AEP, UK, RU)
C615	1-117-681-11	ELECT CHIP	100uF	20% 16V	
C616	1-117-681-11	ELECT CHIP	100uF	20% 16V	
C621	1-127-956-21	FILM CHIP	0.1uF	5% 16V	
C622	1-128-994-21	ELECT CHIP	47uF	20% 10V	
C623	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	
C624	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C625	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C630	1-128-994-21	ELECT CHIP	47uF	20% 10V	
C641	1-127-956-21	FILM CHIP	0.1uF	5% 16V	
C642	1-128-994-21	ELECT CHIP	47uF	20% 10V	
C643	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	
C644	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C645	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C661	1-127-956-21	FILM CHIP	0.1uF	5% 16V	
C662	1-128-994-21	ELECT CHIP	47uF	20% 10V	
C663	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	
C664	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C665	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	
C690	1-165-729-21	ELECT	470uF	20% 16V	
C691	1-165-729-21	ELECT	470uF	20% 16V	
C701	1-117-681-11	ELECT CHIP	100uF	20% 16V	(AEP, UK, RU)
C702	1-117-681-11	ELECT CHIP	100uF	20% 16V	(AEP, UK, RU)
C710	1-127-956-21	FILM CHIP	0.1uF	5% 16V	(AEP, UK, RU)
C711	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(AEP, UK, RU)

Ref. No.	Part No.	Description			Remark
C712	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C713	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C721	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(AEP, UK, RU)
C722	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C723	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C731	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(AEP, UK, RU)
C732	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C733	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C740	1-126-395-11	ELECT CHIP	22uF	20% 16V	(AEP, UK, RU)
C741	1-162-907-11	CERAMIC CHIP	2PF	0.25PF 50V	(AEP, UK, RU)
C742	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C743	1-162-970-11	CERAMIC CHIP	0.01uF	10% 25V	(AEP, UK, RU)
C772	1-162-927-11	CERAMIC CHIP	100PF	5% 50V	(AEP, UK, RU)
C773	1-162-927-11	CERAMIC CHIP	100PF	5% 50V	(AEP, UK, RU)
C774	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
C775	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
C776	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
C777	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
C791	1-162-927-11	CERAMIC CHIP	100PF	5% 50V	(AEP, UK, RU)
C792	1-162-927-11	CERAMIC CHIP	100PF	5% 50V	(AEP, UK, RU)
C793	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
C794	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
C795	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
C796	1-164-315-11	CERAMIC CHIP	470PF	5% 50V	(AEP, UK, RU)
		< CONNECTOR >			
CN411	1-784-374-21	CONNECTOR, FFC/FPC 15P			
CN412	1-784-368-11	CONNECTOR, FFC/FPC 9P			
* CN601	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			(AEP, UK, RU)
CN601	1-794-509-11	PIN, CONNECTOR (PC BOARD) 3P			(US, CND, KR, CH)
CN701	1-794-509-11	PIN, CONNECTOR (PC BOARD) 3P			(AEP, UK, RU)
		< DIODE >			
D501	8-719-071-15	DIODE HZM6.8ZWA1TL			
D502	8-719-071-15	DIODE HZM6.8ZWA1TL (US, CND, KR, CH)			
D503	8-719-071-15	DIODE HZM6.8ZWA1TL			
D504	8-719-071-15	DIODE HZM6.8ZWA1TL (US, CND, KR, CH)			
D591	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D592	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D601	8-719-029-66	DIODE RD5.1UJN-T1			
D630	6-500-697-01	DIODE UDZSTE-173.3B			
D690	8-719-053-18	DIODE 1SR154-400TE-25			
D691	8-719-053-18	DIODE 1SR154-400TE-25			
D701	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D702	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D703	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D704	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D751	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D761	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D762	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D763	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D764	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D765	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D766	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
D771	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D772	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D774	8-719-069-56	DIODE UDZSTE-176.2B (AEP, UK, RU)			
D775	8-719-083-63	DIODE UDZSTE-1713B (AEP, UK, RU)			
D776	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D777	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D778	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D779	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D780	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D781	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D791	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
D792	8-719-069-56	DIODE UDZSTE-176.2B (AEP, UK, RU)			
D793	8-719-083-63	DIODE UDZSTE-1713B (AEP, UK, RU)			
D794	8-719-071-15	DIODE HZM6.8ZWA1TL (AEP, UK, RU)			
		< FERRITE BEAD >			
FB771	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB772	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB773	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB774	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB775	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB776	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB777	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB778	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB779	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB791	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB792	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB793	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB794	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB795	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB796	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB797	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB798	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
FB799	1-414-553-11	FERRITE, EMI (SMD) (2012) (AEP, UK, RU)			
		< FILTER >			
FL401	1-795-708-21	FILTER, LOW PASS (6.75MHZ)			
FL411	1-795-708-21	FILTER, LOW PASS (6.75MHZ)			
FL421	1-795-708-21	FILTER, LOW PASS (6.75MHZ)			

VIDEO

Ref. No.	Part No.	Description	Remark
FL551	1-795-280-11	FILTER, LOW PASS (13.5MHZ)	
FL561	1-795-280-11	FILTER, LOW PASS (13.5MHZ)	
FL571	1-795-280-11	FILTER, LOW PASS (13.5MHZ)	
FL601	1-233-893-21	FILTER, CHIP EMI	
FL602	1-233-893-21	FILTER, CHIP EMI	
FL604	1-233-893-21	FILTER, CHIP EMI (AEP, UK, RU)	
FL605	1-233-893-21	FILTER, CHIP EMI (AEP, UK, RU)	
FL611	1-233-893-21	FILTER, CHIP EMI (AEP, UK, RU)	
FL612	1-233-893-21	FILTER, CHIP EMI (AEP, UK, RU)	
		< IC >	
IC461	8-759-684-23	IC AD8058ARMZ-REEL (US, CND, KR, CH)	
IC471	8-759-684-23	IC AD8058ARMZ-REEL (US, CND, KR, CH)	
IC481	8-759-684-23	IC AD8058ARMZ-REEL (US, CND, KR, CH)	
IC521	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC531	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC541	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC601	8-759-711-85	IC NJM4580E-D	
IC621	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC621	8-759-684-23	IC AD8058ARMZ-REEL (US, CND, KR, CH)	
IC641	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC641	8-759-684-23	IC AD8058ARMZ-REEL (US, CND, KR, CH)	
IC661	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC661	8-759-684-23	IC AD8058ARMZ-REEL (US, CND, KR, CH)	
IC711	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC721	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC731	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
IC741	8-759-684-21	IC AD8057ARTZ-REEL7 (AEP, UK, RU)	
		< TERMINAL/JACK/CONNECTOR >	
J501	1-694-484-11	TERMINAL, S (2P.V) (S VIDEO OUT 1/2) (US, CND, KR, CH)	
J501	1-794-198-21	CONNECTOR, S TERMINAL (S VIDEO OUT) (AEP, UK, RU)	
J502	1-785-867-21	JACK, PIN 1P (VIDEO OUT) (AEP, UK, RU)	
J502	1-793-475-11	JACK, PIN 2P (VIDEO OUT 1/2) (US, CND, KR, CH)	
J620	1-794-731-11	JACK, PIN 1P (COMPONENT VIDEO OUT Y)	
J640	1-794-732-11	JACK, PIN 1P (COMPONENT VIDEO OUT PB/CB)	
J660	1-794-733-11	JACK, PIN 1P (COMPONENT VIDEO OUT PR/CR)	
J771	1-816-044-11	CONNECTOR, SQUARE TYPE 21P (⇨ LINE 1 (RGB) — TV) (AEP, UK, RU)	
J791	1-816-044-11	CONNECTOR, SQUARE TYPE 21P (⇦ LINE 2) (AEP, UK, RU)	
		< COIL >	
L411	1-419-387-21	CHOKE, COIL 100uH	
L412	1-419-387-21	CHOKE, COIL 100uH	
L461	1-419-387-21	CHOKE, COIL 100uH (US, CND, KR, CH)	
L462	1-419-387-21	CHOKE, COIL 100uH (US, CND, KR, CH)	
L521	1-419-387-21	CHOKE, COIL 100uH (AEP, UK, RU)	
L522	1-419-387-21	CHOKE, COIL 100uH (AEP, UK, RU)	
L551	1-419-387-21	CHOKE, COIL 100uH	
L552	1-419-387-21	CHOKE, COIL 100uH	
L611	1-419-387-21	CHOKE, COIL 100uH (AEP, UK, RU)	
L615	1-419-387-21	CHOKE, COIL 100uH	
L616	1-419-387-21	CHOKE, COIL 100uH	
L701	1-419-387-21	CHOKE, COIL 100uH (AEP, UK, RU)	
L702	1-419-387-21	CHOKE, COIL 100uH (AEP, UK, RU)	
		< TRANSISTOR >	
Q401	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q402	8-729-216-22	TRANSISTOR 2SA1162-G	
Q403	8-729-216-22	TRANSISTOR 2SA1162-G (AEP, UK, RU)	
Q411	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q412	8-729-216-22	TRANSISTOR 2SA1162-G	
Q413	8-729-216-22	TRANSISTOR 2SA1162-G (AEP, UK, RU)	
Q421	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q422	8-729-216-22	TRANSISTOR 2SA1162-G	
Q423	8-729-216-22	TRANSISTOR 2SA1162-G (AEP, UK, RU)	
Q433	8-729-216-22	TRANSISTOR 2SA1162-G (AEP, UK, RU)	
Q443	8-729-216-22	TRANSISTOR 2SA1162-G (AEP, UK, RU)	
Q453	8-729-216-22	TRANSISTOR 2SA1162-G (AEP, UK, RU)	
Q461	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16 (US, CND, KR, CH)	
Q471	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16 (US, CND, KR, CH)	
Q481	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16 (US, CND, KR, CH)	
Q491	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q492	8-729-028-73	TRANSISTOR DTA114EUA-T106 (AEP, UK, RU)	
Q494	8-729-028-73	TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH)	
Q496	8-729-028-73	TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH)	
Q498	8-729-028-73	TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH)	
Q499	8-729-028-73	TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH)	
Q521	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16 (AEP, UK, RU)	
Q531	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16 (AEP, UK, RU)	
Q541	8-729-141-73	TRANSISTOR 2SC3624A-T1L15L16 AEP, UK, RU)	
Q551	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q552	8-729-216-22	TRANSISTOR 2SA1162-G	
Q561	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q562	8-729-216-22	TRANSISTOR 2SA1162-G	
Q571	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q572	8-729-216-22	TRANSISTOR 2SA1162-G	
Q581	8-729-029-14	TRANSISTOR DTC144EUA-T106 (US, CND, KR, CH)	
Q583	8-729-028-73	TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH)	
Q585	8-729-028-73	TRANSISTOR DTA114EUA-T106	
Q587	8-729-028-73	TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH)	
Q589	8-729-029-14	TRANSISTOR DTC144EUA-T106 (US, CND, KR, CH)	
Q590	8-729-029-14	TRANSISTOR DTC144EUA-T106 (US, CND, KR, CH)	
Q591	8-729-029-14	TRANSISTOR DTC144EUA-T106 (AEP, UK, RU)	
Q592	8-729-028-73	TRANSISTOR DTA114EUA-T106 (AEP, UK, RU)	

Ref. No.	Part No.	Description		Remark
Q593	8-729-029-14	TRANSISTOR	DTC144EUA-T106	(AEP, UK, RU)
Q594	8-729-028-73	TRANSISTOR	DTA114EUA-T106	
Q595	8-729-029-14	TRANSISTOR	DTC144EUA-T106	
Q596	8-729-028-73	TRANSISTOR	DTA114EUA-T106	(AEP, UK, RU)
Q597	8-729-029-14	TRANSISTOR	DTC144EUA-T106	(AEP, UK, RU)
Q601	8-729-029-14	TRANSISTOR	DTC144EUA-T106	
Q602	8-729-029-14	TRANSISTOR	DTC144EUA-T106	
Q603	8-729-232-69	FET	2SK208-GR3	
Q604	8-729-209-60	TRANSISTOR	2SB1375	
Q605	8-729-018-60	TRANSISTOR	2SD2012-LC	
Q621	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	
Q641	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	
Q661	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	
Q701	8-729-050-50	TRANSISTOR	2SD1782K-T146-R	(AEP, UK, RU)
Q702	8-729-028-73	TRANSISTOR	DTA114EUA-T106	(AEP, UK, RU)
Q703	8-729-028-73	TRANSISTOR	DTA114EUA-T106	(AEP, UK, RU)
Q704	8-729-028-73	TRANSISTOR	DTA114EUA-T106	(AEP, UK, RU)
Q711	8-729-046-97	TRANSISTOR	2SD1938 (F) -T (TX).SO	(AEP, UK, RU)
Q721	8-729-046-97	TRANSISTOR	2SD1938 (F) -T (TX).SO	(AEP, UK, RU)
Q731	8-729-046-97	TRANSISTOR	2SD1938 (F) -T (TX).SO	(AEP, UK, RU)
Q741	8-729-046-97	TRANSISTOR	2SD1938 (F) -T (TX).SO	(AEP, UK, RU)
Q751	8-729-029-14	TRANSISTOR	DTC144EUA-T106	(AEP, UK, RU)
Q752	8-729-029-14	TRANSISTOR	DTC144EUA-T106	(AEP, UK, RU)
Q753	8-729-028-73	TRANSISTOR	DTA114EUA-T106	(AEP, UK, RU)
Q754	8-729-029-14	TRANSISTOR	DTC144EUA-T106	(AEP, UK, RU)
Q755	8-729-028-73	TRANSISTOR	DTA114EUA-T106	(AEP, UK, RU)
Q756	8-729-907-00	TRANSISTOR	DTC114EU (AEP, UK, RU)	
Q757	8-729-029-14	TRANSISTOR	DTC144EUA-T106	(AEP, UK, RU)
Q758	8-729-028-73	TRANSISTOR	DTA114EUA-T106	(AEP, UK, RU)
Q761	8-729-050-50	TRANSISTOR	2SD1782K-T146-R	(AEP, UK, RU)
Q762	8-729-050-50	TRANSISTOR	2SD1782K-T146-R	(AEP, UK, RU)
Q763	8-729-050-50	TRANSISTOR	2SD1782K-T146-R	(AEP, UK, RU)

< RESISTOR >

Ref. No.	Part No.	Description			Remark
R401	1-216-801-11	METAL CHIP	22	5%	1/10W
R402	1-216-821-11	METAL CHIP	1K	5%	1/10W
R403	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R404	1-218-829-11	METAL CHIP	180	0.5%	1/10W
R405	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R406	1-216-821-11	METAL CHIP	1K	5%	1/10W
R407	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R408	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R409	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R411	1-216-801-11	METAL CHIP	22	5%	1/10W
R412	1-216-821-11	METAL CHIP	1K	5%	1/10W
R413	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R414	1-218-829-11	METAL CHIP	180	0.5%	1/10W
R415	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R417	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R418	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R419	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R421	1-216-801-11	METAL CHIP	22	5%	1/10W
R422	1-216-821-11	METAL CHIP	1K	5%	1/10W
R423	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R424	1-218-829-11	METAL CHIP	180	0.5%	1/10W
R425	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R427	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R428	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R429	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R437	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R438	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R439	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R447	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R448	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R449	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R457	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R458	1-216-801-11	METAL CHIP	22	5%	1/10W (AEP, UK, RU)
R459	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R460	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND, KR, CH)
R461	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND, KR, CH)
R462	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND, KR, CH)
R463	1-216-797-11	METAL CHIP	10	5%	1/10W (US, CND, KR, CH)
R464	1-216-797-11	METAL CHIP	10	5%	1/10W (US, CND, KR, CH)
R465	1-218-845-11	METAL CHIP	820	0.5%	1/10W (US, CND, KR, CH)
R466	1-218-847-11	METAL CHIP	1K	0.5%	1/10W (US, CND, KR, CH)

VIDEO

Ref. No.	Part No.	Description		Remark
R467	1-216-797-11	METAL CHIP	10 5% 1/10W	(US, CND, KR, CH)
R468	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(US, CND, KR, CH)
R469	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(US, CND, KR, CH)
R471	1-216-821-11	METAL CHIP	1K 5% 1/10W	(US, CND, KR, CH)
R472	1-216-833-11	METAL CHIP	10K 5% 1/10W	(US, CND, KR, CH)
R473	1-216-797-11	METAL CHIP	10 5% 1/10W	(US, CND, KR, CH)
R474	1-216-797-11	METAL CHIP	10 5% 1/10W	(US, CND, KR, CH)
R475	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(US, CND, KR, CH)
R476	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(US, CND, KR, CH)
R477	1-216-797-11	METAL CHIP	10 5% 1/10W	(US, CND, KR, CH)
R478	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(US, CND, KR, CH)
R479	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(US, CND, KR, CH)
R481	1-216-821-11	METAL CHIP	1K 5% 1/10W	(US, CND, KR, CH)
R482	1-216-833-11	METAL CHIP	10K 5% 1/10W	(US, CND, KR, CH)
R483	1-216-797-11	METAL CHIP	10 5% 1/10W	(US, CND, KR, CH)
R484	1-216-797-11	METAL CHIP	10 5% 1/10W	(US, CND, KR, CH)
R485	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(US, CND, KR, CH)
R486	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(US, CND, KR, CH)
R487	1-216-797-11	METAL CHIP	10 5% 1/10W	(US, CND, KR, CH)
R488	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(US, CND, KR, CH)
R489	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(US, CND, KR, CH)
R492	1-216-821-11	METAL CHIP	1K 5% 1/10W	(US, CND, KR, CH)
R493	1-216-821-11	METAL CHIP	1K 5% 1/10W	(AEP, UK, RU)
R494	1-216-821-11	METAL CHIP	1K 5% 1/10W	(US, CND, KR, CH)
R496	1-216-821-11	METAL CHIP	1K 5% 1/10W	(US, CND, KR, CH)
R498	1-216-821-11	METAL CHIP	1K 5% 1/10W	(US, CND, KR, CH)
R501	1-243-862-11	METAL CHIP	75 0.5% 1/8W	
R502	1-216-864-11	SHORT CHIP	0	
R503	1-243-862-11	METAL CHIP	75 0.5% 1/8W	(US, CND, KR, CH)
R504	1-216-864-11	SHORT CHIP	0 (US, CND, KR, CH)	
R505	1-243-862-11	METAL CHIP	75 0.5% 1/8W	
R506	1-216-864-11	SHORT CHIP	0	
R507	1-243-862-11	METAL CHIP	75 0.5% 1/8W	(US, CND, KR, CH)
R508	1-216-864-11	SHORT CHIP	0 (US, CND, KR, CH)	
R509	1-216-833-11	METAL CHIP	10K 5% 1/10W	(US, CND, KR, CH)
R510	1-216-833-11	METAL CHIP	10K 5% 1/10W	
R511	1-243-862-11	METAL CHIP	75 0.5% 1/8W	
R512	1-216-864-11	SHORT CHIP	0	
R513	1-243-862-11	METAL CHIP	75 0.5% 1/8W	(US, CND, KR, CH)
R514	1-216-864-11	SHORT CHIP	0 (US, CND, KR, CH)	
R520	1-216-841-11	METAL CHIP	47K 5% 1/10W	(AEP, UK, RU)
R521	1-216-833-11	METAL CHIP	10K 5% 1/10W	(AEP, UK, RU)
R522	1-216-797-11	METAL CHIP	10 5% 1/10W	(AEP, UK, RU)
R523	1-216-821-11	METAL CHIP	1K 5% 1/10W	(AEP, UK, RU)
R524	1-216-797-11	METAL CHIP	10 5% 1/10W	(AEP, UK, RU)
R525	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(AEP, UK, RU)
R526	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(AEP, UK, RU)
R531	1-216-833-11	METAL CHIP	10K 5% 1/10W	(AEP, UK, RU)
R532	1-216-797-11	METAL CHIP	10 5% 1/10W	(AEP, UK, RU)
R533	1-216-821-11	METAL CHIP	1K 5% 1/10W	(AEP, UK, RU)
R534	1-216-797-11	METAL CHIP	10 5% 1/10W	(AEP, UK, RU)
R535	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(AEP, UK, RU)
R536	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(AEP, UK, RU)
R541	1-216-833-11	METAL CHIP	10K 5% 1/10W	(AEP, UK, RU)
R542	1-216-797-11	METAL CHIP	10 5% 1/10W	(AEP, UK, RU)
R543	1-216-821-11	METAL CHIP	1K 5% 1/10W	(AEP, UK, RU)
R544	1-216-797-11	METAL CHIP	10 5% 1/10W	(AEP, UK, RU)
R545	1-218-847-11	METAL CHIP	1K 0.5% 1/10W	(AEP, UK, RU)
R546	1-218-845-11	METAL CHIP	820 0.5% 1/10W	(AEP, UK, RU)
R551	1-216-801-11	METAL CHIP	22 5% 1/10W	
R552	1-218-843-11	METAL CHIP	680 0.5% 1/10W	
R553	1-211-978-11	METAL CHIP	24 0.5% 1/10W	
R554	1-218-825-11	METAL CHIP	120 0.5% 1/10W	
R555	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W	
R556	1-216-821-11	METAL CHIP	1K 5% 1/10W	
R561	1-216-801-11	METAL CHIP	22 5% 1/10W	
R562	1-218-843-11	METAL CHIP	680 0.5% 1/10W	
R563	1-211-978-11	METAL CHIP	24 0.5% 1/10W	
R564	1-218-825-11	METAL CHIP	120 0.5% 1/10W	
R565	1-218-855-11	METAL CHIP	2.2K 0.5% 1/10W	
R566	1-216-821-11	METAL CHIP	1K 5% 1/10W	
R571	1-216-801-11	METAL CHIP	22 5% 1/10W	
R572	1-218-843-11	METAL CHIP	680 0.5% 1/10W	
R573	1-211-978-11	METAL CHIP	24 0.5% 1/10W	

Ref. No.	Part No.	Description			Remark
R574	1-218-825-11	METAL CHIP	120	0.5%	1/10W
R575	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R576	1-216-821-11	METAL CHIP	1K	5%	1/10W
R582	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND, KR, CH)
R583	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W (US, CND, KR, CH)
R584	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W (US, CND, KR, CH)
R587	1-216-821-11	METAL CHIP	1K	5%	1/10W
R589	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND, KR, CH)
R591	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R592	1-216-821-11	METAL CHIP	1K	5%	1/10W
R593	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R601	1-216-837-11	METAL CHIP	22K	5%	1/10W
R602	1-216-805-11	METAL CHIP	47	5%	1/10W
R603	1-216-809-11	METAL CHIP	100	5%	1/10W
R604	1-216-809-11	METAL CHIP	100	5%	1/10W
R605	1-216-809-11	METAL CHIP	100	5%	1/10W
R606	1-216-809-11	METAL CHIP	100	5%	1/10W
R607	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R608	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R610	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND, KR, CH)
R611	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND, KR, CH)
R620	1-216-841-11	METAL CHIP	47K	5%	1/10W
R621	1-216-833-11	METAL CHIP	10K	5%	1/10W
R622	1-216-797-11	METAL CHIP	10	5%	1/10W
R623	1-216-821-11	METAL CHIP	1K	5%	1/10W
R624	1-216-797-11	METAL CHIP	10	5%	1/10W
R625	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R626	1-218-845-11	METAL CHIP	820	0.5%	1/10W
R627	1-216-864-11	SHORT CHIP	0 (US, CND, KR, CH)		
R628	1-243-862-11	METAL CHIP	75	0.5%	1/8W
R629	1-216-864-11	SHORT CHIP	0		
R630	1-216-821-11	METAL CHIP	1K	5%	1/10W
R641	1-216-833-11	METAL CHIP	10K	5%	1/10W
R642	1-216-797-11	METAL CHIP	10	5%	1/10W
R643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R644	1-216-797-11	METAL CHIP	10	5%	1/10W
R645	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R646	1-218-845-11	METAL CHIP	820	0.5%	1/10W
R647	1-216-864-11	SHORT CHIP	0 (US, CND, KR, CH)		
R648	1-243-862-11	METAL CHIP	75	0.5%	1/8W
R649	1-216-864-11	SHORT CHIP	0		
R661	1-216-833-11	METAL CHIP	10K	5%	1/10W
R662	1-216-797-11	METAL CHIP	10	5%	1/10W
R663	1-216-821-11	METAL CHIP	1K	5%	1/10W
R664	1-216-797-11	METAL CHIP	10	5%	1/10W
R665	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R666	1-218-845-11	METAL CHIP	820	0.5%	1/10W
R667	1-216-864-11	SHORT CHIP	0 (US, CND, KR, CH)		
R668	1-243-862-11	METAL CHIP	75	0.5%	1/8W
R669	1-216-864-11	SHORT CHIP	0		
R701	1-260-087-11	CARBON	100	5%	1/2W (AEP, UK, RU)
R702	1-260-087-11	CARBON	100	5%	1/2W (AEP, UK, RU)
R703	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R704	1-216-845-11	METAL CHIP	100K	5%	1/10W (AEP, UK, RU)
R705	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R706	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R707	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R711	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)
R712	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)
R713	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, UK, RU)
R714	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R715	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, UK, RU)
R716	1-218-847-11	METAL CHIP	1K	0.5%	1/10W (AEP, UK, RU)
R717	1-218-845-11	METAL CHIP	820	0.5%	1/10W (AEP, UK, RU)
R719	1-243-862-11	METAL CHIP	75	0.5%	1/8W (AEP, UK, RU)
R721	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)
R722	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)
R723	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, UK, RU)
R724	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R725	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, UK, RU)
R726	1-218-847-11	METAL CHIP	1K	0.5%	1/10W (AEP, UK, RU)
R727	1-218-845-11	METAL CHIP	820	0.5%	1/10W (AEP, UK, RU)
R729	1-243-862-11	METAL CHIP	75	0.5%	1/8W (AEP, UK, RU)
R731	1-216-841-11	METAL CHIP	47K	5%	1/10W (AEP, UK, RU)
R732	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, UK, RU)
R733	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, UK, RU)
R734	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, UK, RU)
R735	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, UK, RU)
R736	1-218-847-11	METAL CHIP	1K	0.5%	1/10W (AEP, UK, RU)
R737	1-218-845-11	METAL CHIP	820	0.5%	1/10W (AEP, UK, RU)
R738	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)		
R739	1-243-862-11	METAL CHIP	75	0.5%	1/8W (AEP, UK, RU)

VIDEO

Ref. No.	Part No.	Description			Remark
R741	1-216-841-11	METAL CHIP	47K	5% 1/10W	(AEP, UK, RU)
R742	1-216-833-11	METAL CHIP	10K	5% 1/10W	(AEP, UK, RU)
R743	1-216-797-11	METAL CHIP	10	5% 1/10W	(AEP, UK, RU)
R744	1-216-821-11	METAL CHIP	1K	5% 1/10W	(AEP, UK, RU)
R745	1-216-797-11	METAL CHIP	10	5% 1/10W	(AEP, UK, RU)
R746	1-218-847-11	METAL CHIP	1K	0.5% 1/10W	(AEP, UK, RU)
R747	1-218-845-11	METAL CHIP	820	0.5% 1/10W	(AEP, UK, RU)
R749	1-243-862-11	METAL CHIP	75	0.5% 1/8W	(AEP, UK, RU)
R751	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)		
R752	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)		
R753	1-216-821-11	METAL CHIP	1K	5% 1/10W	(AEP, UK, RU)
R754	1-218-837-11	METAL CHIP	390	0.5% 1/10W	(AEP, UK, RU)
R755	1-218-837-11	METAL CHIP	390	0.5% 1/10W	(AEP, UK, RU)
R756	1-218-837-11	METAL CHIP	390	0.5% 1/10W	(AEP, UK, RU)
R757	1-218-837-11	METAL CHIP	390	0.5% 1/10W	(AEP, UK, RU)
R758	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	(AEP, UK, RU)
R759	1-218-845-11	METAL CHIP	820	0.5% 1/10W	(AEP, UK, RU)
R760	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	(AEP, UK, RU)
R761	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	(AEP, UK, RU)
R762	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)		
R763	1-219-988-21	FUSIBLE CHIP	33	5% 1/10W	(AEP, UK, RU)
R764	1-216-821-11	METAL CHIP	1K	5% 1/10W	(AEP, UK, RU)
R765	1-216-845-11	METAL CHIP	100K	5% 1/10W	(AEP, UK, RU)
R766	1-216-821-11	METAL CHIP	1K	5% 1/10W	(AEP, UK, RU)
R767	1-219-988-21	FUSIBLE CHIP	33	5% 1/10W	(AEP, UK, RU)
R768	1-216-845-11	METAL CHIP	100K	5% 1/10W	(AEP, UK, RU)
R769	1-216-821-11	METAL CHIP	1K	5% 1/10W	(AEP, UK, RU)
R770	1-219-988-21	FUSIBLE CHIP	33	5% 1/10W	(AEP, UK, RU)
R771	1-216-845-11	METAL CHIP	100K	5% 1/10W	(AEP, UK, RU)
R772	1-216-805-11	METAL CHIP	47	5% 1/10W	(AEP, UK, RU)
R781	1-243-862-11	METAL CHIP	75	0.5% 1/8W	(AEP, UK, RU)
R791	1-216-813-11	METAL CHIP	220	5% 1/10W	(AEP, UK, RU)
R792	1-216-813-11	METAL CHIP	220	5% 1/10W	(AEP, UK, RU)
R793	1-216-813-11	METAL CHIP	220	5% 1/10W	(AEP, UK, RU)
R794	1-216-813-11	METAL CHIP	220	5% 1/10W	(AEP, UK, RU)
R795	1-216-809-11	METAL CHIP	100	5% 1/10W	(AEP, UK, RU)
		< RELAY >			
RY701	1-755-184-21	RELAY (AEP, UK, RU)			
RY761	1-755-184-21	RELAY (AEP, UK, RU)			
RY762	1-755-184-21	RELAY (AEP, UK, RU)			
RY763	1-755-184-21	RELAY (AEP, UK, RU)			
RY764	1-755-184-21	RELAY (AEP, UK, RU)			
RY765	1-755-184-21	RELAY (AEP, UK, RU)			
RY766	1-755-184-21	RELAY (AEP, UK, RU)			
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		MISCELLANEOUS			
		**********			
54	1-828-620-11	WIRE (FLAT TYPE) (19 CORE)			
151	1-775-280-11	WIRE (FLAT TYPE) (31 CORE)			
155	1-828-547-11	WIRE (FLAT TYPE) (5 CORE)			
156	1-828-666-11	WIRE (FLAT TYPE) (29 CORE)			
157	1-828-646-11	WIRE (FLAT TYPE) (25 CORE)			
201	1-775-280-11	WIRE (FLAT TYPE) (31 CORE)			
205	1-828-547-11	WIRE (FLAT TYPE) (5 CORE)			
206	1-828-666-11	WIRE (FLAT TYPE) (29 CORE)			
207	1-828-646-11	WIRE (FLAT TYPE) (25 CORE)			
258	1-828-568-11	WIRE (FLAT TYPE) (9 CORE)			
259	1-828-598-11	WIRE (FLAT TYPE) (15 CORE)			
⚠260	1-816-880-22	INLET ASSY, AC (～ AC IN)			
⚠551	A-1109-165-A	OPTICAL TRAVERSE UNIT (DBU-3)			
558	1-824-106-51	CABLE, FLEXIBLE FLAT (0.5mm PITCH)			
M151	A-4604-363-A	MOTOR (L) ASSY (LOADING)			
⚠T901	1-443-561-11	TRANSFORMER, POWER (US, CND)			
⚠T901	1-443-562-11	TRANSFORMER, POWER (EXCEPT US, CND)			
⚠T902	1-443-558-11	TRANSFORMER, POWER (US, CND)			
⚠T902	1-443-559-11	TRANSFORMER, POWER (EXCEPT US, CND)			
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		ACCESSORIES			
		**********			
	1-479-272-11	REMOTE COMMANDER (RM-ASP003)			(US, CND, KR, CH)
	1-479-272-21	REMOTE COMMANDER (RM-ASP004)			(AEP, UK, RU)
⚠	1-551-631-61	CORD, POWER (AEP, RU)			
⚠	1-551-812-41	CORD, POWER (US, CND)			
⚠	1-751-271-31	CORD, CONNECTION (AV)			(AUDIO/VIDEO CORD)
⚠	1-757-130-12	CORD, POWER (CH)			
⚠	1-824-532-11	POWER-SUPPLY CORD (UK)			
⚠	1-824-533-12	POWER-SUPPLY CORD (KR)			
	2-633-249-11	MANUAL, INSTRUCTION (ENGLISH)			(US, CND, CH)
	2-633-249-21	MANUAL, INSTRUCTION (FRENCH) (CND)			
	2-633-249-31	MANUAL, INSTRUCTION (ENGLISH)			(AEP, UK, RU)

Ref. No.	Part No.	Description	Remark
	2-633-249-41	MANUAL, INSTRUCTION (GERMAN, SPANISH, FRENCH) (AEP)	
	2-633-249-51	MANUAL, INSTRUCTION (ITALIAN, DUTCH, POLISH, SWEDISH) (AEP)	
	2-633-249-61	MANUAL, INSTRUCTION (RUSSIAN) (RU)	
	2-633-249-71	MANUAL, INSTRUCTION (KOREAN) (KR)	
	2-633-249-81	MANUAL, INSTRUCTION (SIMPLIFIED CHINESE) (CH)	
	2-633-250-01	MANUAL, INSTRUCTION (GREEK) (AEP)	
	2-633-250-11	MANUAL, INSTRUCTION (TURKISH) (AEP)	
	2-633-250-21	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP)	
	2-633-250-31	MANUAL, INSTRUCTION (HUNGARIAN, CZECH) (AEP)	
	3-081-834-31	BATTERY COVER (SMK7G) (for RM-ASP003, RM-ASP004)	

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2005.08	New